

## **Quarterly Monitoring Report** 3<sup>rd</sup> **Quarter 2005**

L.E. Carpenter & Company Borough of Wharton Morris County, New Jersey

USEPA ID No. NJD002168748

October 2005

RMT, Inc., Michigan ("RMT") 2025 E. Beltline Avenue SE, Suite 402 Grand Rapids, MI 49546 Tel. (616) 975-5415 Fax (616) 975-1098



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Nicholas J. Clevett Project Manager



ames J. Dexter Senior Hydrogeologist



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Appendix D 3<sup>rd</sup> Quarter 2005 Laboratory Analytical Report

# Section 1 Introduction

RMT, Inc. (RMT), on behalf of our client, has prepared this Quarterly Monitoring Report for the L.E. Carpenter and Company (LEC) ("site") located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1). Quarterly monitoring events are performed at the site to comply with paragraph 35 of the 1986 Administrative Consent Order (ACO) issued to LEC by the New Jersey Department of Environmental Protection (NJDEP). We provide a summary of activities completed during the third quarter of 2005 (3Q05), including but not limited to, the continuation and completion of source reduction remedial activities as outlined in the NJDEP and United States Environmental Protection Agency (USEPA) approved Remedial Action Work Plan (RAWP) and response to RAWP comment documents dated September and November 2004, continued quarterly Monitored Natural Attenuation (MNA) groundwater monitoring in the MW19/Hot Spot 1 Area, and the continued emergency response activities to prevent the potential migration of free product.

We have certified this report in accordance with requirements outlined in N.J.A.C 7:26E-1.5 (Appendix A).

RMT conducted the following tasks during the 3Q05:

 Quarterly groundwater monitoring as required under the ACO (Reference Section 2 and Figures 3 and 4).

Discussion of these activities is provided in the referenced sections.

## 1.1 Response to Regulatory Review of the 1st Quarter 2005 Monitoring Report

Responses to the NJDEP comment letter received by LEC on July 25, 2005 (Appendix B) are presented in the following paragraphs:

LEC will work closely with NJDEP to assure the appropriate intervals will be screened and sampled in the wells proposed for post-remedial monitoring. Locations and screened intervals for post remediation wells are detailed in the post-remediation monitoring plan (PRMP) recently prepared and submitted to the NJDEP and USEPA for review and approval.

Due to the January 2005 start-up of the source reduction and localized flooding along the Rockaway River, sampling of surface water was delayed, but was initiated as soon as access issues and site/river flooding conditions could be addressed. Surface water samples were collected from the ditch and the Rockaway River as part of the 2<sup>nd</sup> quarter (July 2005) (2Q05) and 3Q05 (this report) sampling events. As reported in the 2Q05 report, surface water was collected during that event (April, 2005) in the Rockaway River adjacent to the location of visible sheen within the wetland area (Figure 2) location SW-R-1). This sample was collected as soon as flood waters within the Wharton Enterprises area had receded, and was submitted to the laboratory for analysis; total xylenes, ethylbenzene, and di(2-ethylhexyl)phthalate (DEHP) were detected in that river water sample. Following completion of the source reduction, this location was sampled again in July 2005 as part of the 3Q05 sampling event (as well as other river sample locations), and as reported below in Section 3.2, no constituents of concern (COC) were detected, except for a "J"-qualified detection of DEHP at 1 µg/L. As described below, surface water sampling will continue to take place during each quarterly monitoring event; each event will include three samples in the ditch, five locations in the river, and one location at Washington Forge Pond (at the locations shown on Figure 2 of this report).

## Section 2 MW19/Hot Spot 1 Groundwater Monitoring

## 2.1 Implementation of the Revised Monitored Natural Attenuation Protocol

In a letter dated January 15, 2004, USEPA requested LEC implement the approved May 2001 MNA workplan. Prior to that time, LEC implemented only the low-flow sampling protocols outlined in the MNA workplan. During the second quarter 2004 (2Q04) sampling event, LEC began implementing all aspects of the MNA workplan (e.g., low flow sampling, full MNA analysis etc). During the January 6, 2005 preconstruction meeting, USEPA requested quarterly MNA activities be continued in the MW19/Hot Spot 1 area until the source reduction remedial action was complete and a new site-wide monitoring well network was installed. In a letter dated January 13, 2005, RMT revised the MNA monitoring program due to the modifications made to the LEC site groundwater monitoring network. A copy of the revised MNA sampling protocol was presented as Appendix D in the 1st quarter 2005 (1Q05) monitoring report. This revised MNA monitoring protocol will be implemented quarterly at LEC until an NJDEP and USEPA approved site-wide monitoring well network has been installed, and a sampling plan developed and approved.

#### 2.2 Sampling Methodology

RMT conducted the 3Q05 groundwater monitoring activities July 25 thru July 27, 2005. Historically, we performed groundwater monitoring in accordance with the procedures contained in the NJDEP's Field Sampling Procedures Manual dated May 1992. However, in second quarter 2002 (2Q02) we initiated groundwater monitoring using the low-flow methodology outlined in our May 2001 MNA workplan. The MNA workplan was approved by NJDEP on January 24, 2002. Although the sampling was performed using low-flow methods (i.e., QED bladder pump system with disposable Teflon bladders as described in the approved MNA workplan Quality Assurance Project Plan (QAPP)), the remaining parts of the MNA workplan (e.g., full analysis of each sample for MNA specific parameters) had not yet been initiated. As outlined in the comments received from USEPA on January 15, 2004 following their review of the third quarter 2003 (3Q03) monitoring report, LEC began implementing the additional portions of the MNA workplan during the 2Q04 sampling event. In 1Q05, RMT implemented the revised MNA monitoring protocol, and performed the event in accordance

with the approved MNA workplan. Locations of the monitoring wells remaining at LEC following the abandonment activities completed in fourth quarter 2004 (4Q04), along with the monitoring wells utilized in the quarterly MNA monitoring of the MW19/Hot Spot 1 Area are shown on Figure 2.

A sample duplicate, a trip blank, field (atmosphere) blank, a matrix spike/matrix spike duplicate (MS/MSD), and a rinsate blank were collected to satisfy Quality Assurance/Quality Control (QA/QC) requirements outlined in the QAPP. The trip blank was prepared by the laboratory and remained with the sample containers until the samples were returned to the laboratory where they were analyzed for benzene, toluene, ethyl benzene, and xylenes (BTEX). The duplicate was collected from monitoring well MW-19-10 (duplicate sample No. Dup-01), and was analyzed for BTEX, DEHP, and MNA parameters. The rinsate blank was collected by circulating triple distilled water through the cleaned bladder pump assembly to verify the decontamination procedures were adequate. Any sampling equipment used at each well was decontaminated prior to each use utilizing an environmental detergent (Alconox) and clean water wash followed by a distilled water rinse. The field (atmosphere) blank was taken by opening a bottle of unpreserved de-ionized water provided by the laboratory, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory. RMT submitted all samples to Lancaster Laboratories, Inc. (Lancaster), located in Lancaster, Pennsylvania for BTEX, DEHP, and MNA parameter analysis per the current MNA groundwater monitoring protocol [State of New Jersey Lab Certification No. PA011].

#### 2.3 Groundwater Elevations and Flow Direction

On July 25, 2005, RMT measured static groundwater levels from 18 different locations (Table 1) outlined in the revised MNA protocol (1Q05 Monitoring Report; Appendix D). RMT used this data to calculate groundwater elevations and evaluate the groundwater flow pattern in the shallow aquifer system.

Figure 3 displays the MW19/Hot Spot 1 Area shallow groundwater elevation contours, and indicates that groundwater flow direction in the shallow aquifer is likely influenced by the presence of the 24-inch Rockaway River Regional Interceptor Sewer, which is encased in a gravel-lined trench oriented roughly parallel to Ross Street. The data shows the shallow groundwater flow direction is generally similar to that observed historically (generally toward the north and bends northeast). However, the results from this event, which include data from recently installed MW-19-11, show subtle variations in flow direction compared to other monitoring events. Specifically, groundwater flow at MW-19-7 appears shifted slightly northeast compared to previous events, which may explain significant concentration reductions in that well (see discussion below). Data continue to suggest that MW-19-11 is not directly

downgradient from the leading edge of groundwater contamination, and it is possible that COC's could be migrating northeasterly between wells MW-19-8 and MW-19-11. —Root low leading

From a regional flow standpoint, overall flow is controlled by the Washington Forge Pond and the Rockaway River. The Rockaway River eventually captures groundwater from MW-19/Hot Spot 1 area, even though it is locally influenced by the Regional Interceptor Sewer.

#### 2.4 Delineation of Groundwater Contamination

#### 2.4.1 Contaminants of Concern

Table 2 summarizes concentrations of BTEX and DEHP for all of the MW-19/Hot Spot 1 area MNA groundwater monitoring wells. RMT sampled groundwater from the MW-19/Hot Spot 1 area wells between the dates of July 25 and 27, 2005. Corresponding field sampling data and analytical laboratory reports are presented as Appendix C and Appendix D respectively.

The New Jersey Groundwater Quality Standard (NJGWQS) for DEHP is not exceeded in any of the sampled monitoring wells. Ethylbenzene, toluene, and total xylenes exceed the NJGWQS of  $700 \,\mu\text{g/L}$ ,  $1000 \,\mu\text{g/L}$ , and  $40 \,\mu\text{g/L}$ , respectively, in groundwater collected from MW-19 and MW-19-5. Groundwater sampled from MW-19-2 also exceeded the NJGWQS for ethylbenzene and toluene. Furthermore, monitoring wells MW-19, MW-19-5, MW-19-7 (upper profile interval), and MW-19-7 (lower profile interval) slightly exceeded the NJGWQS for benzene of  $1 \,\mu\text{g/L}$ .

The overall concentrations of COC's in MW-19-7 are greatly reduced for 3Q05 compared to data from the 2<sup>nd</sup> quarterly event. This may be a result of the subtle changes in groundwater flow direction as described above, which results in MW-19-7 appearing more cross-gradient from the principle flow axis emanating from the residual source area (see flow arrow on Figure 3) at the time of this 3<sup>rd</sup> quarter sampling event.

MW-19 is located close to the former 10,000-gallon underground storage tanks (UST) (UST's E-3 and E-4) that were likely responsible for the resulting DEHP and BTEX constituents in shallow groundwater. These former UST's are no longer a continuing source for DEHP and BTEX contamination in this area because LEC removed them in 1991 along with nearby impacted soils. In addition, the LEC printing processes and material storage practices that occurred in Building 9 that may have resulted in releases of both DEHP and BTEX were stopped in 1987. However, contaminated soils in the vicinity of MW-19 were reportedly left in place, and these soils may represent residual

contamination responsible for the dissolved groundwater contaminants being detected currently.

No BTEX or DEHP were detected in the newly installed MW-19-11. However, as described above, for the third time since installed, data show groundwater flow shifts more northeasterly between MW-19-7 and MW-19-11. Thus, data continue to suggest that MW-19-11 is not directly downgradient from the leading edge of groundwater contamination, and it is possible that COC's could be migrating northeasterly between wells MW-19-8 and MW-19-11. Although it is equally possible that COC's in groundwater in the MW-19 area are not migrating any further than shown on Figure 4 (equilibrium conditions), an additional monitoring well is recommended as described in Section 4.3 (and as shown on Figure 3).

RMT constructed Figure 4 to show isoconcentration contours for total BTEX levels in parts per million (ppm) (mg/L) with respect to the groundwater elevation contours. The distribution of total BTEX defined by the isoconcentration contours is consistent with the groundwater flow direction defined by the groundwater elevation contours.

No BTEX or DEHP were detected in MW-19-9D (Table 2). This indicates there is no migration of these constituents downward and to the north under Ross Street and the regional interceptor sewer. In addition, the lack of downward migration of contaminants is evidenced by the upward vertical hydraulic gradient discussed below.

The closeness of MW-19-6 and MW-19-9D allows a general comparison between groundwater elevations versus screened interval to evaluate the vertical gradient. The hydraulic head at MW-19-9D is 0.41 feet higher than at MW-19-6, indicating a significant upward vertical gradient. The vertical distance between the middle of the MW-19-6 and the MW-19-9D well screens is 15 feet. Given the difference in hydraulic head between the two wells, the upward vertical hydraulic gradient is about an order of magnitude greater than the horizontal hydraulic gradient measured for this area.

This upward vertical gradient is consistent with all other former deep/shallow well clusters across the site and is probably influenced by the hydraulic head induced by the Washington Pond Reservoir, and regional discharge to the Rockaway River. These findings are consistent with an earlier RMT prediction of an upward vertical gradient for this location based on nearby piezometers GEI-2I and GEI-2S, and other upward vertical gradients observed across the site. The Washington Forge Pond (at an elevation of approximately 640 feet), and the Rockaway River act as constant head boundaries, and together comprise a regional aquifer discharge area.

LEC will continue to conduct quarterly groundwater monitoring in this area as part of the revised MNA quarterly groundwater-monitoring program.

#### 2.4.2 MNA Parameters

Tables 3 and 4 summarize the MNA laboratory analytical and field data respectively. The current quarterly groundwater monitoring program, as a result of recent modification to the LEC site groundwater monitoring well network, was revised on January 13, 2005, and put into affect for 1Q05 sampling. The sampling and testing was done in accordance with the revised MNA sampling protocol presented as Appendix D in the 1Q05 monitoring report. Once the site wide groundwater monitoring well network has been approved by both NJDEP and USEPA and installed at the site, these data will be examined more closely and discussed in greater detail with respect to post-remediation evaluation of MNA.

# Section 3 Surface Water Sampling

#### 3.1 Eastern Drainage Channel

As part of the 3Q05 event, RMT sampled the eastern drainage channel that separates the adjacent Air Products facility from the LEC site and the adjacent Wharton Enterprises property. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005. During the third quarter sampling event, three locations (SW-D-1, SW-D-2, and SW-D-3) were sampled. Sample SW-D-1 is located at the upstream end (head) of the ditch (Figure 2). Sample SW-D-2 is located just downgradient of the bend around the Air Products facility (Figure 2) adjacent to the area where free product seeps were observed before completion of the source reduction. Sample SW-D-3 is located at the downgradient end of the ditch, just west of the connecting channel that feeds into the Rockaway River (Figure 2). Laboratory testing results for these samples are summarized on Table 5.

The surface water sample collected at background location SW-D-1 (head of the ditch) contained a low level of toluene (0.5  $\mu$ g/L). However, the toluene detection is "J-qualified" meaning it was an estimated value falling between the method detection limit (MDL) and the Limit of Quantitation (LOQ). The surface water sample SW-D-2 was collected adjacent to the main seep (recently removed as part of the source reduction) and contained low levels of ethylbenzene, total xylenes, and DEHP (0.5  $\mu$ g/L, 6.1  $\mu$ g/L, and 38.0  $\mu$ g/L respectively). The ethylbenzene detection is also "J-qualified". The downstream surface water sample collected at SW-D-3 contained low levels of total xylene and DEHP (1.1  $\mu$ g/L and 7.0  $\mu$ g/L respectively). The total xylene and DEHP detection is "J-qualified". All concentrations, with the exception of the DEHP detections in SW-D-2 and SW-D-3, are below the surface water quality criteria for toxic substances outlined in N.J.A.C 7:9B-1.14.

#### 3.2 Rockaway River

In addition to the drainage channel, RMT also collected samples in the Rockaway River and Washington Forge Pond (Figure 2; all locations except SW-R-6). One river water sample (SW-R-1) was collected near the edge of the river immediately adjacent to the location of absorbent booms that were placed in order to prevent any migration into the river of sheen observed on top of quiescent water ponded within the wetland area. Three other river samples were taken at locations further upstream of where the former absorbent booms were placed and one additional "background" surface water sample was collected from Washington Forge Pond.

Sample SW-R-1 was collected near the river edge adjacent to the location where absorbent booms were placed in order to prevent visible product sheen from migrating directly into the river. As discussed in earlier reports, the sheen was discovered in 2004 as a visible coloration on top of quiescent water ponded within the wetland area. The maximum concentrations detected at this location for the 2Q05 event were 99  $\mu$ g/L total xylenes, 17  $\mu$ g/L ethylbenzene, and 2  $\mu$ g/L DEHP ("J" qualified; see Table 5). All concentrations, with the exception of the "J-qualified" DEHP detection of 2.0  $\mu$ g/L, were below the surface water quality criteria for toxic substances outlined in N.J.A.C 7:9B-1.14. This location was sampled again in July 2005 as part of this 3Q05 sampling event (following the June 6th completion of the source reduction), and no constituents of concern were detected except for a detection of DEHP at 1  $\mu$ g/L. The DEHP detection from SW-R-1 is "J-qualified" meaning it was an estimated value falling between the MDL and the LOQ.

The surface water samples collected in the river at the three other locations were "non-detect" for BTEX and DEHP.

Surface water sampling at the eastern drainage ditch as well as the Rockaway River and Washington Forge Pond will continue to take place during each quarterly monitoring event. Specifics regarding surface water sampling locations, frequency and analytes are presented in the PRMP.

### **Section 4**

### Remedial Actions and Future Activities

The following section briefly outlines additional remedial activities completed in 3Q05 and activities anticipated for implementation during 4th quarter 2005 (4Q05). The 4Q05 MW-19/Hot Spot 1 sampling activities are tentatively scheduled to be completed in October 2005.

#### 4.1 Source Reduction Construction Project

As we outlined in the final source reduction progress updates dated June 30, 2005 the construction phase of this project is now complete.

A Remedial Action Report (RAR) documenting all source reduction activities will be provided to both NJDEP and USEPA for review about the week of November 7, 2005.

#### 4.2 Emergency Response Activities

Emergency response activities have been terminated as source reduction activities are now complete. RMT visually inspected these areas during the 3Q05 sampling event (at the same time adjacent surface water samples were collected). RMT did not find any seeps along the ditch and the Rockaway River, and no sheen was observed within these surface water bodies.

#### 4.3 Post Source Reduction Site Monitoring

RMT anticipates initiating discussions with both NJDEP and USEPA during 4Q05 regarding the development and installation of the post source reduction site monitoring network per the recently submitted PRMP.

In addition to an adequate array of monitoring wells within and downgradient from the source reduction area, the proposed site monitoring network will include one additional shallow monitoring well proposed for the MW-19 area (Figure 3) based on the localized northeasterly shift in groundwater flow discussed above.



#### Table 1

## L.E. Carpenter and Company (LEC) Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Elevations

|                      |                                 |                  | PR           | OFESSIONAL SU             | RVEY INFORMAT              | TON <sup>(6)</sup> |        | 7.2.0  | QUA         | RTERLY MEASURI | EMENT     |  |
|----------------------|---------------------------------|------------------|--------------|---------------------------|----------------------------|--------------------|--------|--------|-------------|----------------|-----------|--|
| WELL LOCATION (5)    | WELL TYPE                       | BASELINE LO      | OCATION (FT) | GEODETIC                  | GEODETIC LOCATION          |                    |        | MSL)   | INFORMATION |                |           |  |
|                      |                                 |                  |              |                           |                            |                    | OUTER  | INNER  | MEAS.       | WATER          | WATER     |  |
|                      |                                 | (Y) North        | (X) East     | LATITUDE                  | LONGITUDE                  | GROUND             | CASING | WELL   | DATE        | DEPTH          | ELEVATION |  |
| GEI-2I               | Piezometer                      | 754573.99        | 470499.76    | 40° 54′ 17.4"             | 74 <sup>0</sup> 34′ 43.1"  | 635.32             | 637.75 | 637.60 | 25-Jul-05   | 11.57          | 626.03    |  |
| GEI-2S               | Piezometer                      | 754566           | 470506.18    | 40 <sup>0</sup> 54′ 17.3" | 74 <sup>0</sup> 34′ 43.0″  | 634.86             | 637.27 | 637.07 | 25-Jul-05   | 11.43          | 625.64    |  |
| GEI-3I               | Piezometer                      | <b>754311.79</b> | 470453.7     | 40 <sup>0</sup> 54′ 14.8" | 74° 34′ 43.7"              | 636.96             | 639.39 | 639,25 | 25-Jul-05   | 13.72          | 625.53    |  |
| MW-158               | Monitoring Well                 | 754326.58        | 470891.83    | 40° 54′ 15.0°             | 74°34′38.0′                | 634.23             | 636.43 | 636.17 | 25-Jul-05   | 10.78          | 625.39    |  |
| MW-15I               | Monitoring Well                 | 754325.8         | 470901.47    | 40° 54′ 15.0"             | 74 <sup>0</sup> 34′ 37.9″  | 634.14             | 636.28 | 636.06 | 25-Jul-05   | 10,72          | 625,34    |  |
| MW-19                | Monitoring Well                 | 754537.15        | 470454.45    | 40 <sup>0</sup> 54′ 17.1" | 74°34′43.7"                | 636.22             | 636.23 | 635.90 | 25-Jul-05   | 10,22          | 625,68    |  |
| MW-19-1              | Monitoring Well                 | 754534.52        | 470427.63    | 40° 54′ 17.0°             | 74 <sup>0</sup> 34′44.0"   | 635.93             | 635.96 | 635.64 | 25-Jul-05   | 10.00          | 625.64    |  |
| MW-19-2              | Monitoring Well                 | 754551.81        | 470429.56    | 40° 54′ 17.2"             | 74 <sup>0</sup> 34′ 44.0"  | 636,46             | 636.50 | 636.30 | 25-Jul-05   | 10.60          | 625.70    |  |
| MW-19-3              | Monitoring Well                 | 754539.4         | 470394.2     | 40 <sup>0</sup> 54′ 17.1" | 74 <sup>0</sup> 34′44.5"   | 636.97             | 637.06 | 636.70 | 25-Jul-05   | 11.00          | 625,70    |  |
| MW-19-4              | Monitoring Well                 | 754505.39        | 470432.08    | 40° 54′ 16.7"             | 74 <sup>0</sup> 34′44.0"   | 635.69             | 635.76 | 635.43 | 25-Jul-05   | 9.68           | 625,75    |  |
| MW-19-5              | Monitoring Well                 | 754565.53        | 470470.75    | 40 <sup>0</sup> 54' 17.3" | 74 <sup>0</sup> 34′43.5"   | 635.93             | 635.93 | 635.56 | 25-Jul-05   | 9.97           | 625.59    |  |
| MW-19-6              | Monitoring Well                 | 754578.87        | 470443.1     | 40° 54′ 17.5"             | 74 <sup>0</sup> 34′43.8"   | 636.17             | 636.16 | 635.82 | 25-Jul-05   | 10.16          | 625:66    |  |
| MW-19-7              | Monitoring Well                 | 754595.66        | 470501.7     | 40° 54′ 17.6"             | 74 <sup>0</sup> 34′43.1"   | 635.31             | 635.36 | 635.00 | 25-Jul-05   | 9.40           | 625:60    |  |
| MW-19-8              | Monitoring Well                 | 754617.42        | 470493.65    | 40°54′ 17.8"              | 74 <sup>0</sup> 34′ 43.2"  | 635.82             | 635.82 | 635.36 | 25-Jul-05   | 9.78           | 625.58    |  |
| MW-19-9D             | Monitoring Well                 | 754590           | 470442       | 40°54′ 17.9"              | 74 <sup>0</sup> 34′ 42.4"  | 636.39             | 636.41 | 636.10 | 25-Jul-05   | 9.85           | 626,25    |  |
| MW-19-10             | Monitoring Well                 | 754625.75        | 470590.81    | -                         | -                          | 634.72             | 634.81 | 634.43 | 25-Jul-05   | 8.60           | 625.83    |  |
| MW-19-11             | Monitoring Well                 | 754617.45        | 470546.95    | 40 <sup>0</sup> 54′ 18:2" | 74 <sup>0</sup> .34′ 41.0" | 634.22             | 634.26 | 633.67 | 25-Jul-05   | 8.22           | 625.45    |  |
| SG-D1 <sup>(3)</sup> | Drainage Channel<br>Staff Gauge | 754428.57        | 471240.37    | -                         | -                          | 625.81             | -      | •      | 25-Jul-05   | 1.21           | 624.60    |  |
| SG-D3 <sup>(1)</sup> | Drainage Channel<br>Staff Gauge | 754381.47        | 471548.31    | -                         | -                          | 625.83             | -      |        | 25-Jul-05   | 1.46           | 624.37    |  |
| SG-R1                | Rockaway River<br>Staff Gauge   | 754313.99        | 470408.70    | -                         | -                          | 640.92             | -      | -      | 25-Jul-05   | 1.42           | 639.50    |  |

#### **FOOTNOTES**

- (1) Elevation measured at the top of a 3.33 ft. Staff gauge. Reference elevation (ground) shot at the top of the staff gauge. Water depth based on a visual observation of the water level on the Staff gauge.
- (3) Monitoring points and wells in BULD included in the quarterly sampling program as outlined in the KM1 letter dated January 13, 2005. Depth to water recorded before purging

MW-19

(4) All "19 series" wells were resurveyed August 8, 2001 at owners request. Wells MW19 through MW19-5 were converted to flush mount wells to allow for through traffic. Professional survey performed by James M. Stewart, Inc., Philadelphia, PA

(6) Horizontal Datum: New Jersey State Plane Coordinate System NAD 83. Vertical Datum: NAVD 88

#### TABLE 2 L.E. CARPENTER AND COMPANY (LEC) Borough of Wharton, Morris County, New Jersey MW19/Hot Spot 1 Groundwater Monitoring Data

|  |                                       |               |               |          | ANAL           | YTICAL PARAM | ETERS        |               |                   |              |              |                                    |
|--|---------------------------------------|---------------|---------------|----------|----------------|--------------|--------------|---------------|-------------------|--------------|--------------|------------------------------------|
| MONITORING WELLS   | SAMPLE DATE                           | QUARTER       |               | Benzene  | Eti            | nylbenzene   |              | Toluene       | Tot               | al Xylenes   | Ethyll       | bis-2-<br>nexylphthalate<br>(DEHP) |
|  |                                       | UNITS         |               | ug/l     |                | ug/l         | <b> </b>     | ug/l          |                   | ug/l         | <u> </u>     | ug/l                               |
| NEW JERSEY GROUNDWATER   | QUALITY STANDA                        | ARDS (NJGWQS) |               | 1        |                | 700          |              | 1,000         |                   | 40           |              | 30                                 |
| MW19   |                                       |               |               |          |                |              |              |               |                   |              |              |                                    |
| Dilution factor for BTEX 2000  | 24-Feb-95                             | 1             | <             | 660      |                | 1,700        |              | 110,000       |                   | 10,000       |              | NR                                 |
| Dilution factor for BTEX 100   | 14-Jun-95                             | 2             |               | 150      |                | 3,400        |              | 140,000       |                   | 17,000       |              | NS                                 |
| Dilution factor 5000 for BTEX & 2 for DEHP; MDL<br>for Benzene 1000 ug/f       | 24-Apr-98                             | 2             | <             | 1.000    |                | 2,850        |              | 76,700        |                   | 14,900       |              | 6.6                                |
| Dilution factor for BTEX 500   |                                       | 3             | <             | 95       |                | 3,000        |              | 62,000        |                   | 17,000       |              | 2.9                                |
| Dilution factor for BTEX 1000  | 0 00 02                               | 2             | <             | 200      |                | 1,000        |              | 30,000        |                   | 6,000        |              | 5.6                                |
| Dilution factor for STEX 100, Toluene 200                                      |                                       | 4             | <             | 20       |                | 1,500        |              | 40,000        |                   | 7,400        | Ĵ            | 6.0                                |
|  | 15-Jun-04                             | 2             | <             | 100      |                | 1,400        |              | 46,000        |                   | 6,600        | j            | 4.0                                |
| Dilution factor for BTEX 100, Toluene 500                                      | .ortug or                             | 3             | <             | 20       |                | 2,100        |              | 56,000        |                   | 11,000       | J            | 2.0                                |
| Dilution factor for BTEX-50  Lower Grab Water Sample; Dilution factor for BTEX |                                       | 1             | <             | 10       |                | 750          |              | 18,000        |                   | 3,600        | <            | 1.0                                |
| Copper Curab Water Samble: Cululion factor los                                 | 8-Apr-05                              | 2             | <             | 1        |                | 97           |              | 1,300         |                   | 530          | J            | 3.0                                |
| Opper Grap Water Sample; Dilution factor for<br>Toluene 5                      | 8-Apr-05                              | 2             | <             | 0.2      |                | 86           |              | 410           |                   | 430          | J            | 3.0                                |
| Dillution factor for BTEX 200  |                                       | 3             | <             | 40,0     |                | 1,100        |              | 44,000        |                   | 6,000        | J            | 2.0                                |
|  | -                                     |               |               |          |                |              |              |               |                   |              |              |                                    |
| MW19-1   | 10.11                                 |               |               |          |                |              |              |               |                   |              |              |                                    |
| Dilution factor for BTEX 200   | 12,11.01.00                           | 1             | <             | 40       |                | 219          |              | 4,270         |                   | 1,160        |              | 190                                |
|  | 2-Aug-01                              | 3             | _<_           | 0.2      |                | 1.2          | <<           | 0.2           | _ <               | 0.2          |              | 85                                 |
|  | 5-Jun-02                              | 2             | <_            | 0.22     | _<_            | 0.18         | <            | 0.24          | <                 | 0.2          |              | 0.6                                |
|  | 19-Nov-03                             | 4             | <             | 0.2      | _<_            | 0.2          | <            | 0.2           | <                 | 0.6          | <            | 0.9                                |
| <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>                               | 15-Jun-04                             | 2             | <             | 0.2      | <              | 0.2          |              | 1.7           | <                 | 0.6          |              | 11.0                               |
|  | 10-Aug-04<br>13-Jan-05                | 3             | <_            | 0.2      | _ <_           | 0.2          | J            | 0.6           | <                 | 0.6          | <            | 1.0                                |
| Lower Grab Water Sample  | 8-Apr-05                              | 2             | <del>-</del>  | 0.2      | <u> </u>       | 0.2          | <            | 0.2           | <                 | 0.6<br>0.6   | J            | 1.0                                |
| Upper Grab Water Sample  | 8-Apr-05                              | 2             | ~             | 0.2      |                | 0.2          | · ·          | 0.2           | <                 | 0.6          | <            | 1.0                                |
| oppor and gate earlies   | 27-Jul-05                             | 3             | <del>-</del>  | 0.2      | $\overline{}$  | 0.2          | <del>-</del> | 0.2           | < <               | 0.6          | ٧ -          | 1.0                                |
|  |                                       |               |               | <u> </u> |                | J            |              | <u> </u>      |                   |              |              | <del></del>                        |
| MW19-2   |                                       |               |               |          |                |              |              |               |                   |              |              |                                    |
| Dilution factor for BTEX 250   | 12-Mar-98                             | 1             | <             | 50       |                | 1,130        |              | 9,830         |                   | 6,010        |              | 8.8                                |
| Dilution factor for BTEX 2   | 1-Aug-01                              | 3             | _<            | 0.4      |                | 21           |              | 160           |                   | 82           |              | 16                                 |
|  | 5-Jun-02                              | 2             | <             | 0.22     |                | 19           |              | 36            |                   | 39           | <            | 0.4                                |
|  | 19-Nov-03<br>15-Jun-04                | 2             | <_            | 0.2      | <              | 0.2          | <            | 0.2           | <<                | 0.6          | J            | 1.0                                |
|  | 10-Aug-04                             | 3             | <u> </u>      | 0.2      |                | 1.2<br>28.0  |              | 29.0<br>150.0 |                   | 4.8<br>100.0 | _ <<br>      | 1.0<br>1.0                         |
|  | 12-Jan-05                             | 1             | $\overline{}$ | 0.2      | <              | 0.2          | <            | 0.2           |                   | 0.6          | J            | 3.0                                |
| Lower Grab Water Sample  | 8-Apr-05                              | 2             | ~             | 0.2      | <del>-</del> - | 0.2          | ~            | 0.2           | ~                 | 0.6          | ٧ <          | 1.0                                |
| Upper Grab Water Sample  | 8-Apr-05                              | 2             | <             | 0.2      | <              | 0.2          | ~            | 0.2           | ~                 | 0.6          | <            | 1.0                                |
|  | 26-Jul-05                             | 3             | <             | 0.2      |                | 6.2          |              | 40.0          |                   | 20.0         | <u> </u>     | 1.0                                |
| 151/40 0   | · · · · · · · · · · · · · · · · · · · |               |               |          |                |              |              |               |                   |              |              |                                    |
| MW19-3   | 40.1400                               | -3            |               | <u> </u> |                |              |              |               |                   |              |              |                                    |
|  | 12-Mar-98                             | 1             | <u> </u>      | 0.2      | _<_            | 0.14         | <            | 0.14          | <                 | 0.5          | _ <          | 1.2                                |
|  | 2-Aug-01<br>5-Jun-02                  | 3 2           | <u> </u>      | 0.2      | <u> </u>       | 0.2          | <            | 0.2           | <u> </u>          | 0.2          | <            | 0.5                                |
|  | 19-Nov-03                             | 4             | <u> </u>      | 0.22     | <u> </u>       | 0.18         | <u> </u>     | 0.24<br>0.2   | <del>- &lt;</del> | 0.2<br>0.6   | <del>-</del> | 0.5<br>0.9                         |
|  |                                       |               |               |          |                |              |              |               |                   |              |              |                                    |
| MW19-4   |                                       |               |               |          |                |              |              |               |                   |              | i            |                                    |
|  | 12-Mar-98                             | 1             | <             | 0.2      | <              | 0.14         | <            | 0.14          | <                 | 0.5          | <            | 1.3                                |
|  | 2-Aug-01                              | 3             | <             | 0.2      | <              | 0.2          | <            | 0.2           | <                 | 0.2          | <            | 0.5                                |
|  | 6-Jun-02                              | 2 .           | <             | 0.22     | <              | 0.18         | <            | 0.24          | <                 | 0.2          | <            | 0.5                                |
|  | 19-Nov-03                             | 4             | <             | 0.2      |                | 0.2          | <            | 0.2           | <                 | 0.6          | <            | 1.0                                |
| MW19-5   |                                       |               |               |          |                |              |              |               |                   |              |              |                                    |
| Dilution factor for BTEX 5000  | 12-Mar-98                             | 1             | <             | 1,000    |                | 1,920        |              | 123,000       |                   | 10.100       |              | 42                                 |
| Dilution factor for BYEX 1000  | 2-Aug-01                              | 3             | <             | 190      |                | 870          |              | 79,000        |                   | 5,200        |              | 3.2                                |
| Dilution factor for BTEX 500   | 7-Mar-02                              | 1             | <             | 140      |                | 300          |              | 10,000        |                   | 1,700        |              | 1.3                                |
| Dilution factor for BTEX 5000, for DEHP 20                                     | 5-Jun-02                              | 2             | <             | 1,100    |                | 1,100        |              | 92,000        |                   | 6,300        | <            | 9.8                                |
|  |                                       |               |               |          |                |              |              |               |                   |              |              |                                    |

## TABLE 2 L.E. CARPENTER AND COMPANY (LEC) Borough of Wharton, Morris County, New Jersey MW19/Hot Spot 1 Groundwater Monitoring Data

|  |                        |                              |              |                 | ANAL          | YTICAL PARAM       | ETERS        |  |              |                  |            |  |
|--|------------------------|------------------------------|--------------|-----------------|---------------|--------------------|--------------|--|--------------|------------------|------------|--|
| MONITORING WELLS   | SAMPLE DATE            | QUARTER UNITS                |              | Benzene<br>ug/i | Eti           | rylbenzene<br>ug/l |              | Toluene<br>ug/l                          | To           | tal Xylenes      | Ethyli     | bis-2-<br>nexylphthalate<br>(DEHP)<br>ug/l |
| NEW JERSEY GROUNDWATER   | QUALITY STAND          |                              |              | 1               |               | 700                |              | 1,000                                    |              | 40               | 30         |  |
|  | ···                    | oduplicate                   |              |                 |               |                    |              | rama and a second                        |              |                  |            | ,  |
| Dilution factor for BTEX 5000, for DEHP 20                                 | 5-Jun-02<br>19-Nov-03  | 4                            | <u> </u>     | <b>1,100</b>    | <             | 1,300<br>0.2       |              | 92,000<br>4.3                            | <u> </u>     | 6, <b>900</b>    | <          | 9.4<br>0.9                                 |
|  | 18-Dec-03              | 4 <sup>resample</sup>        | ~            | 0.2             | -             | 3.7                |              | 240.0                                    | J            | 24.0             | <          | <del> </del>                               |
|  | 16-Jun-04              | 2                            | ~            | 100.0           |               | 1,400              |              | 83,000                                   |              | 7,400            |            | 0.9<br>1.0                                 |
|  | 10-Aug-04              | 3                            | <            | 200.0           |               | 2,800              |              | 140,000                                  |              | 14.000           | J          | 1.0  |
| Dilution factor for BTEX 10 Dilution factor for BTEX 200, Lower Grab Water | 13-Jan-05              | 1                            | <            | 2.0             |               | 64.0               |              | 8,100.0                                  |              | 340.0            | <          | 1.0  |
| Sample   |                        | 2                            | ٧            | 40.0            |               | 1,000.0            |              | 27,000.0                                 |              | 5;300.0          | J          | 1.0  |
| Upper Grab Water Sample  | J                      | 2                            | <b>«</b>     | 0.2             | J             | 0.4                |              | 9.5                                      | J            | 2.3              | <          | 1.0  |
| Diflution factor for BTEX 500  | 26-Jul-05              | 3                            | <            | 100.0           |               | 2,600.0            |              | 100,000.0                                |              | 13,000.0         | <          | 0.9  |
| MW19-6   |                        |                              |              | <u> </u>        | ļ             |                    |              |  |              |                  |            |  |
| Dilution factor for BTEX 200   | 15-Nov-99              | 4                            | <            | 62              | <u> </u>      | 94                 |              | 3,400                                    |              | 500              |            | 32   |
| Dilution factor for BTEX 2   |                        | 3                            | <            | 0.4             |               | 14                 |              | 390                                      |              | 47               |            | <b>32</b><br>28                            |
|  | 5-Jun-02               | 2                            | ~            | 0.22            | <u> </u>      | 1.7                |              | 13                                       | <del></del>  | 4.1              |            | 2.3  |
|  | 18-Nov-03              | 4                            | <            | 0.2             | <             | 0.2                | J            | 0.3                                      | <            | 0.6              | J          | 6  |
|  | 17-Jun-04              | 2                            | <            | 0.2             | J             | 0.4                |              | 1.1                                      |              | 1                | J          | 3.0  |
|  | 10-Aug-04              | 3                            | <            | 0.2             |               | 4.6                |              | 38.0                                     |              | 18               | J          | 4.0  |
|  | 13-Jan-05              | 1                            | <            | 0.2             |               | 4.0                |              | 36.0                                     |              | 14               | J          | 1.0  |
| Lower Grab Water Sample Upper Grab Water Sample                            | 9-Apr-05<br>9-Apr-05   | 2 2                          | _ <          | 0.2             |               | 16.0               |              | 160.0                                    |              | 64               | <          | 1.0  |
| Oppos Grap Water Sample  | 26-Jul-05              | 3                            | <u> </u>     | 0.2             |               | 11.0<br>3.6        |              | 74.0<br>27.0                             |              | 37<br>14         | _ <u>{</u> | 1.0  |
|  | 20 041 00              | 3                            |              | 0.2             | -             | 3.0                |              | 27.0                                     |              | 14               |            | 2.0  |
| MW19-7   |                        | 1                            |              | <b> </b>        |               |                    |              |  |              |                  |            |  |
| Dilution factor for STEX 50  | 15-Nov-99              | 4                            | <            | 16              |               | 100                |              | 51                                       |              | 1,400            | <          | 4.1  |
| Dilution factor for BTEX 2   | 1-Aug-01               | 3                            |              | 6.7             |               | 6.6                |              | 13                                       |              | 680              | <          | 0.4  |
| Dilution factor for BTEX 5   | 7-Mar-02               | 1                            |              | 3               | ٧             | 1.3                | <            | 1.3                                      |              | 250              |            | 1.6  |
|  | 5-Jun-02               | 2                            |              | 0.48            |               | 1.6                |              | 27                                       |              | 27               | <          | 0.4  |
|  | 19-Nov-03              | 4                            |              | 4.7             | J             | 0.4                | <u> J</u>    | 0.3                                      |              | 460              | J          | 1.0  |
|  | 16-Jun-04              | 2<br>2 <sup>chuplicate</sup> | J            | 2.8             |               | 130.0              |              | 2,100.0                                  |              | 630              | <          | 1.0  |
|  | 16-Jun-04<br>10-Aug-04 |                              | J            | 4.0<br>2.0      |               | 130.0              |              | 2,100.0                                  |              | 610              | <          | 1.0  |
| Dilution factor for BTEX 2   | 12-Jan-05              | 3                            |              | 6.1             |               | 1.6<br>90.0        |              | 1.3<br>240.0                             |              | 20<br><b>760</b> | <_         | 1.0  |
|  | 12-Jan-05              | 1 duplicate                  | ··-·         | 1               |               | 45.0               |              | 120.0                                    |              | 380              | <          | 1.0  |
| Lower Grab Water Sample; Dilution factor for BTEX                          | 7-Apr-05               | 2                            | J            | 2.9<br>9.5      | ····          |                    |              | F-100-100-100-100-100-100-100-100-100-10 |              |                  | <          | 1.0  |
| Upper Water Grab Sample; Dilution factor for BTEX                          | 7-Apr-05<br>7-Apr-05   | 2                            |              | 13.0            |               | 210.0              |              | 2,700.0                                  |              | 1,400            | _<_        | 1.0  |
| Lower Grab Water Sample  | 27-Jul-05              | 3                            | J            | 2,2             |               | 370.0<br>0.2       |              | 5,600.0                                  | .1           | 2,300            | _<         | 1.0  |
| Upper Grad Water Sample  | 27-Jul-05              | 3                            | <u>-</u>     | 1.5             | <del></del> - | 0.2                | J            | 0.2                                      | J            | 2                | <u> </u>   | 0.9<br>1.0                                 |
| =  |                        |                              |              |                 |               | - /                | <u> </u>     | j  |              |                  |            | 1.0  |
| MW19-8   |                        |                              |              |                 |               |                    |              |  | -            |                  |            |  |
| Dilution factor for BTEX 50  | 15-Nov-99              | 4                            | <            | 0.31            | <             | 0.38               | <            | 0.34                                     | <            | 0.4              | <          | 4.1  |
| Dilution factor for BTEX 2   | 1-Aug-01               | 3                            |              | 0.5             | <             | 0.2                | <            | 0.2                                      | <            | 0.2              | <          | 0.4  |
|  | 5-Jun-02<br>19-Nov-03  | 2                            | <            | 0.22            | <u> </u>      | 0.18               | <            | 0.24                                     | <            | 0.2              | <          | 0.4  |
|  | 17-Jun-04              | 2                            | <u> </u>     | 0.20<br>0.20    | _<            | 0.20<br>0.20       | <u> </u>     | 0.20                                     | <_           | 0.6              | <          | 0.9  |
|  | 11-Aug-04              | 3                            | <del>-</del> | 0.20            | < <           | 0.20               | <u> </u>     | 0.20<br>0.20                             | <            | 0.6<br>0.6       | < <        | 1.0  |
|  | 12-Jan-05              | 1                            | ~            | 0.20            | Ĵ             | 0.30               | <del>-</del> | 0.20                                     | <del>-</del> | 0.6              |            | 1.0  |
|  | 11-Apr-05              | 2                            | <            | 0.20            | <             | 0.20               | <            | 0.20                                     | <del>-</del> | 0.6              | ~          | 1.0  |
|  | 27-Jul-05              | 3                            | <            | 0.20            | <             | 0.20               | <            | 0.20                                     | <            | 0.6              | <u>`</u>   | 1.0  |
|  |                        |                              |              |                 |               |                    |              |  |              |                  |            |  |
| MW19-9D  |                        |                              |              |                 |               |                    |              |  |              |                  |            |  |
| Dilution factor for BTEX 2   | 1-Aug-01               | 3                            | <            | 0.2             | <             | 0.2                | <            | 0.2                                      | <            | 0.2              |            | 0.5  |
|  | 5-Jun-02               | 2                            | <            | 0.22            | <             | 0.18               | <            | 0.24                                     | ٧            | 0.2              |            | 1.9  |
|  | 19-Nov-03<br>16-Jun-04 | 2                            | <            | 0.20            | <             | 0.20               | <            | 0.20                                     | <            | 0.6              | J          | 1.0  |
|  | 10-Aug-04              | 3                            | <u> </u>     | 0.20<br>0.20    | <u> </u>      | 0.20<br>0.20       | <            | 0.20                                     | <            | 0.6              | J          | 2.0  |
|  | 13-Jan-05              | 1                            | <del>-</del> | 0.20            | ~             | 0.20               | <            | 0.20<br>0.20                             | < ·          | 0.6<br>0.6       | <<br>J     | 1.0  |
|  |                        |                              |              | <u> </u>        |               | U.L.U              |              | 0.20                                     | `            | 0.0              | Ú          | 1.0  |

#### TABLE 2 L.E. CARPENTER AND COMPANY (LEC) Borough of Wharton, Morris County, New Jersey

MW19/Hot Spot 1 Groundwater Monitoring Data

| Ļ                        |                             |                             |                |  | ANAL         | YTICAL PARA | METERS   |             |   |        |                 |      |  |
|--------------------------|-----------------------------|-----------------------------|----------------|--|--------------|-------------|--|-------------|---|--------|-----------------|------|--|
| MONITORING WELLS         | SAMPLE DATE QUARTER Benzane |                             | Eth            | Ethylbenzene                                     |              | Toluene     |  | tal Xylenes | bis-2-<br>Ethylhexylphthalate<br>(DEHP) |        |                 |      |  |
|                          |                             | UNITS                       |                | ug/l   |              | บg/l        |  | ug/l        |   | ug/i   |                 | ug/l |  |
| IEW JERSEY GROUNDWATER O | QUALITY STANDA              | RDS (NJGWQS)                | 1              |  | 700          |             | 1,000  |             | 40                                      |        | 30              |      |  |
|                          | 11-Apr-05                   | 2                           | <              | 0.20   | <del></del>  | 0.20        | <b>-</b>   | 0.20        | <                                       | 0.6    | <               | 1.0  |  |
|                          | 27-Jul-05                   | 3                           | <              | 0.20   | <            | 0.20        | <  | 0.20        | <                                       | 0.6    | <               | 1.0  |  |
| MW19-10                  |                             |                             |                |  |              |             | -  |             | ļ                                       |        |                 |      |  |
| 14147 19-10              | 17-Jun-04                   | 2                           |                |  | <del></del>  |             |  |             | ļ                                       | -      |                 |      |  |
|                          |                             |                             | <              | 0.2  | <            | 0.2         | <  | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
|                          | 11-Aug-04                   | 3<br>3 <sup>duplicate</sup> | <              | 0.2  | <            | 0.2         | <  | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
|                          | 11-Aug-04                   |                             | <              | 0.2  | <            | 0.2         | <  | 0,2         | <                                       | 0.6    | <               | 0.9  |  |
|                          | 12-Jan-05                   | 1                           | _ <            | 0.2  | <            | 0.2         | <  | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
| Lower Grab Weter Sample  | 9-Apr-05                    | 2                           | <              | 0.2  | <            | 0.2         | <  | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
| Upper Grab Water Sample  | 9-Apr-05                    | 2                           | _<_            | 0.2  | <            | 0.2         | <  | 0.2         | <                                       | 0.6    | <,              | 1.0  |  |
|                          | 26-Jul-05                   | 3                           | _<             | 0.2  | <            | 0.2         | <u> </u>   | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
| MW19-11                  |                             |                             |                | <del>                                     </del> | <del> </del> |             |  |             |   |        |                 |      |  |
|                          | 13-Jan-05                   | 1                           | <              | 0.2  | <            | 0.2         | <  | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
| Lower Grab Water Sample  | 7-Apr-05                    | 2                           | <              | 0.2  | T -          | 0.2         | <u> </u>   | 0.2         | ~                                       | 0.6    | ~               | 1.0  |  |
| Upper Grab Water Sample  | 7-Apr-05                    | 2                           | <              | 0.2  | <u> </u>     | 0.2         | -  | 0.2         | -                                       | 0.6    | ~               | 1.0  |  |
|                          | 26-Jul-05                   | 3                           | <              | 0.2  | <            | 0.2         | <  | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
| GEI-2I                   |                             |                             |                |  |              |             | <u> </u>   |             |   |        | -               |      |  |
|                          | 24-Feb-95                   | 1                           | <              | 0.3  | <            | 0.3         | †  | 0.4         | _                                       | 0.1    |                 | 27   |  |
|                          | 6-Jun-02                    | 2                           | <              | 0.22   | <            | 0.18        | <  | 0.24        | <                                       | 0.2    |                 | 1.4  |  |
| GEI-2S                   |                             |                             |                |  |              |             |  |             |   |        |                 | **** |  |
|                          | 24-Feb-95                   | 1                           | <              | 8.2  |              | 46          | <del>                                     </del> | 1,500       |   | 380    |                 | 7.6  |  |
|                          | 25-Mar-98                   | 1                           |                | NS   |              | NS          | t  | NS          |   | NS     | В               | 2.5  |  |
|                          | 6-Jun-02                    | 2                           |                | 1.2  |              | 2.6         |  | 16          |   | 5.1    |                 | 2.4  |  |
|                          | 18-Dec-03                   | 4                           | <              | 0.2  | <            | 0.2         | J  | 0.4         |   | 0.6    |                 | 1.0  |  |
| Atmospheric Blank        |                             |                             |                | U.E  | $\vdash$     | U.E.        |  | 0.4         | <_                                      | 0.6    | <               | 1.0  |  |
|                          | 13-Jan-05                   | 1                           | <              | 0.2  | <            | 0.2         | <  | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
|                          | 8-Apr-05                    | 2                           | <del>-</del> - | 0.2  | ~            | 0.2         | <del>\</del>                                     | 0.2         | <                                       | 0.6    | ~               | 1.0  |  |
|                          | 26-Jul-05                   | 3                           | <u> </u>       | 0.2  | ~            | 0.2         | <  | 0.2         | -                                       | 0.6    | -               | 1.0  |  |
|                          |                             |                             |                |  |              |             | <u> </u>   | - ·         |   |        | <del></del>     |      |  |
| Rinsate Blank            |                             |                             |                |  | T            |             | † · · · ·  |             |   |        |                 |      |  |
|                          | 14-Jan-05                   | 1                           | <              | 0.2  | <            | 0.2         | <b>-</b>   | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
|                          | 9-Apr-05                    |                             | -              |  |              |             | <del>                                     </del> | V.L         |   | 0.0    | <del>-}  </del> | 1.0  |  |
|                          | 27-Jul-05                   | 3                           | <              | 0.2  | <            | 0.2         | <  | 0.2         | <                                       | 0.6    | <               | 1.0  |  |
| Trip Blank               |                             |                             |                |  |              |             |  |             |   | 1 148- |                 |      |  |
| TUP DIGITA               | 13-Jan-05                   | 1                           | <              | 0.2  | <            | 0.2         |  | 0.2         |   | 0.0    |                 | NIA. |  |
|                          | 9-Apr-05                    | 2                           | <del>-</del> - | 0.2  | <            | 0.2         | <  |             | <                                       | 0.6    |                 | NA_  |  |
|                          | 27-Jul-05                   | 3                           |                | 0.2  | <u> </u>     | 0.4         | <  | 0.2         | <                                       | 0.6    |                 | NA   |  |

#### LEGEND

ug/L ≈ micrograms per liter

NJGWQS = New Jersey Groundwater Quality Standards

ROD: Record of Decision

NA = Not Applicable

NS = Not Sampled

ND: No Detection

NR = Not Run

duplicate = Duplicate sample

Concentration exceeds NJGWQS

Analyte also detected in blank

1.2

J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

NOTES

(1) Low flow sampling initiated 1st quarter 2002

(2) GEI series wells are piezometers installed by Weston

(3) GEI series wells, MW-19-3, and MW-19-4 are not sampled under revised groundwater monitoring program effective 1Q05.

#### TABLE 3

#### L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey MW19/Hot Spot 1 Quarterly Groundwater Monitoring MNA Analytical Data

| Well ID                               | 10/<br>23-<br>24/                                | Sampling<br>Event | Heterotrophic<br>Plate Count | Alkalinity to pH<br>8.3 | Alkalinity to<br>pH 4.5 | TSS            | TDS         | Nitrate<br>Nitrogen | Ammonia<br>Nitrogen | Phosphorus<br>(total) | Sulfate <sup>(1)</sup> | Methane      |
|---------------------------------------|--|-------------------|------------------------------|-------------------------|-------------------------|----------------|-------------|---------------------|---------------------|-----------------------|------------------------|--------------|
| (units)                               | $\sqcup$   |                   | ch/ml                        | mg/l                    | mg/l                    | mg/l           | mg/l        | mg/l                | .mg/l               | mg/l                  | mg/l                   | ug/l         |
| MW-19                                 | ╌┤   | 1Q04              | NS                           | NS                      | NS                      | NS             | NS          | NS                  | NS                  | NS                    | NS                     | NS           |
|                                       | 1-1  | 2Q04<br>3Q04      | 80<br>630                    | ND<br>ND                | 207<br>268              | 30.9           | 589<br>553  | ND<br>ND            | ND ND               | 0.054                 | 3.6 J                  | 150          |
|                                       | 1-1  | 1Q05              | 350                          | ND ND                   | 241                     | 17.2           | 347         | ND                  | ND ND               | 0.12<br>ND            | 1.7.J<br>7.4           | 230<br>230   |
|                                       | <del>  -  </del>                                 | 2Q05 <sup>L</sup> | 390                          | NS NS                   | NS                      | 10.8 J         | 413         | 2.8                 | ND                  | ND                    | 33.3                   | 3.0 J        |
|                                       | $\vdash$   | 2Q05 <sup>0</sup> | 1,400                        | NS NS                   | NS NS                   | 14.8           | 455         | 3.2                 | ND ND               | ND                    | 30.4                   | 2.0 J        |
|                                       | Н  | 3Q05              | 3                            | NS .                    | NS                      | 67.2           | 1070        | 0.04                | 1.3                 | ND                    | 6                      | 33           |
|                                       | $\vdash$   |                   | <del>-</del>                 | <del></del>             | 110                     | 07.12          | 1010        | 0.04                | 1.0                 | 110                   |                        |              |
| MW-19-1                               |  | 1Q04              | NS                           | NS                      | NS .                    | NS             | NS          | NS                  | NS.                 | NS                    | NS:                    | NS           |
|                                       |  | 2Q04              | 100                          | ND                      | 162                     | ND             | 725         | 1.4                 | ND                  | ND                    | 32.4                   | ND           |
|                                       |  | 3Q04              | . 49                         | ND                      | 184                     | 3.2 J          | 928         | 3.9                 | ND                  | ND                    | 35.3                   | ND           |
|                                       | $\sqcup$   | 1Q05              | 43                           | ND                      | 152                     | ND             | 404         | 2.1                 | ND                  | ND.                   | 27.9                   | ND           |
|                                       | Ш  | 2Q05 <sup>L</sup> | 410                          | NS                      | NS.                     | 16.4           | 1,440       | 2.9                 | .ND                 | ND .                  | 34.1                   | ND           |
|                                       | Ш  | 2Q05 <sup>U</sup> | 350                          | NS.                     | NS.                     | 3.2 J          | 1,430       | 2.8                 | ND                  | ND                    | 32.9                   | ND           |
|                                       | ⊢  | 3Q05              | 53 .                         | NS                      | NS                      | 9.2 J          | 1,140       | 4.1                 | ND                  | ND                    | 39                     | ND           |
| MW-19-2                               | <del>  </del>                                    | 1Q04              | NS                           | NS                      | NO                      | NC             | NG -        | - 10                | 110                 | 100                   | 110                    |              |
| M 44-19-2                             | $\vdash$   | 2Q04              | 10                           | ND ND                   | NS<br>335               | NS<br>6.0 J    | 704         | ND ND               | NS<br>ND            | NS<br>ND              | NS<br>33.6             | 1600         |
|                                       |  | 3Q04              | 87                           | ND I                    | 176                     | 6.0 J          | 916         | 0.87                | ND                  | ND                    | 23.9                   | 280          |
|                                       | 1  | 1Q05              | 110                          | ND I                    | 395                     | 5.2 J          | 568         | 0.093 J             | 0.13 J              | ND                    | 69.4                   | 26           |
|                                       |  | 2Q05 <sup>L</sup> | 160.                         | ND                      | ND                      | 11.6 J         | 780         | 0.62                | 0.17 J              | ND                    | 29.6                   | ND           |
|                                       |  | 2Q05 <sup>U</sup> | 150                          | ND                      | ND                      | ND             | 750         | 0.64                | ND                  | ND                    | 29.3                   | ND           |
|                                       |  | 3Q05              | 8                            | NS                      | NS                      | 3.2 J          | 976         | 1                   | 0.12 J              | ND                    | 27.2                   | 120          |
|                                       |  |                   |                              |                         |                         |                |             |                     |                     |                       |                        |              |
| MW-19-5                               | $\Box$   | 1Q04              | NS                           | NS                      | NS                      | NS             | NS          | NS                  | NS                  | NS.                   | NS                     | NS           |
|                                       | ₩  | 2Q04              | NS                           | NS                      | NS                      | NS             | NS          | . NS                | NS                  | NS                    | NS                     | NS           |
|                                       | <del>  </del>                                    | 3Q04<br>1005      | 180<br>380                   | ND<br>ND                | 228                     | 14             | 942         | 0.06 J              | ND ND               | ND                    | 15.7                   | 2100         |
|                                       | ↤  | 1Q05              |                              | ND NO                   | 126                     | 3.6 J          | 174         | 0.49                | ND                  | ND                    | 15.8                   | 34           |
|                                       | <del>                                     </del> | 2005 <sup>L</sup> | 3000<br>100                  | NS NS                   | NS                      | 3.6 J          | 177         | ND                  | ND ND               | ND                    | 12                     | 380          |
| · · · · · · · · · · · · · · · · · · · | ↤  | 3Q05<br>3Q05      | 69                           | NS NS                   | NS NS                   | 3.6 J<br>6.8 J | 141<br>463  | 0.43<br>ND          | ND<br>ND            | ND<br>ND              | 8.7<br>7.7             | ND<br>1700   |
|                                       | $\vdash$   | 3003              | - 03                         | 145.                    | .NO                     | 0.00           | 400         | NU                  | ND                  | IND .                 | 1.1                    | 1700         |
| MW-19-6                               | Ħ  | 1Q04              | NS                           | NS                      | NS                      | NS             | NS          | NS                  | NS                  | NS                    | NS                     | 'NS '        |
|                                       |  | 2Q04              | 35                           | ND                      | 151                     | 10.4 J         | 1670        | 1.6                 | ND                  | ND                    | 37.3                   | 140          |
|                                       |  | 3Q04              | 110                          | ND                      | 178                     | 18.8           | 1240        | 1.1                 | ND                  | 0.062                 | 38.3                   | 140          |
|                                       |  | 1Q05              | 82                           | ND                      | 204                     | 11.2 J         | 544         | 1.7                 | ND                  | ND                    | 44                     | 130          |
|                                       | Ш  | 2Q05 <sup>L</sup> | 23                           | NS                      | NS                      | 18             | 1180        | 1.3                 | 0.29 J              | ND                    | 33.5                   | .44.         |
|                                       |  | 2Q05 <sup>0</sup> | 160                          | NS                      | NS                      | ND             | 1190        | 1                   | ND                  | ND                    | 32.7                   | 96           |
|                                       | $\sqcup$   | 3Q05              | . 90                         | NS                      | NS                      | 40.8           | 1520        | 1.1                 | ND                  | ND                    | 35                     | 38           |
| tmat on w                             | $\vdash$   | 1004              |                              |                         |                         |                |             |                     |                     |                       |                        |              |
| MW-19-7                               | <del>  </del>                                    | 1Q04<br>2Q04      | NS<br>110                    | NS<br>ND                | NS NS                   | NS             | NS          | NS                  | NS                  | NS                    | NS                     | NS           |
|                                       | $\vdash$   | 2Q04D             | 88                           | ND ND                   | 142<br>152              | 6.8 J<br>9.2 J | 2110        | 0.21<br>0.21        | ND<br>0.15 J        | ND<br>ND              | 47.2<br>37.3           | 5200         |
|                                       | Н  | 3Q04              | 2000                         | ND ND                   | 175                     | 44J            | 1920        | 1.5                 | ND                  | . ND                  | 64.4.                  | 5400<br>2400 |
| Dilution factor for Mathane 250       | П  | 1Q05              | 75.                          | ND ND                   | 200                     | 6.0 J          | 774         | 3.2                 | ND                  | ND                    | 29.1                   | 10,000       |
| Dilution factor for Methane 250       |  | 1Q05D             | 77                           | ND                      | 202                     | 7.2 J          | 754         | 3.2                 | ND                  | ND                    | 30.5                   | 11,000       |
|                                       |  | 2Q05 <sup>L</sup> | 32                           | NS.                     | NS                      | 54             | 472         | ND                  | 0.50 J              | 0.45                  | ND                     | 13,000       |
|                                       |  | 2Q05 <sup>U</sup> | 41                           | NS                      | NS                      | 48             | 481         | ND                  | 0.35 J              | 0.32                  | ND                     | 10,000       |
|                                       |  | 3Q05 <sup>L</sup> | 17                           | NS                      | NS                      | 45.6           | 1450        | ND                  | D                   | 0.3                   | 19.2                   | 2,900        |
|                                       |  | 3Q05 <sup>U</sup> | 17                           | NS                      | NS                      | 31.6           | 1280        | 0.22                | 0.29 J              | 0.1                   | 25.7                   | 1,600        |
|                                       | $\Box$   |                   |                              |                         |                         |                |             |                     |                     |                       |                        |              |
| MW-19-8                               | $\vdash \vdash$                                  | 2Q04              | NS                           | NS                      | NS                      | NS             | NS          | NS                  | NS                  | NS                    | NS .                   | NS.          |
|                                       | $\vdash$   | 2Q04<br>3Q04      | 45                           | ND ND                   | 143                     | 14.4           | 1120        | ND                  | ND                  | 0.15                  | 22.8                   | 79           |
| Dilution factor for Methane 5         | $\vdash$   | 3Q04<br>1Q05      | 15<br>91                     | ND ND                   | 152<br>142              | 7.2 J<br>25.2  | 573<br>1150 | ND<br>ND            | 0.24 J              | 0.12                  | 11.5                   | 790          |
| IN THE COLUMN CO.                     | <del>   </del>                                   | 2Q05              | 270                          | NS NS                   | NS NS                   | 20.2           | 796         | ND<br>ND            | ND ND               | 0.18<br>ND            | 16.3.<br>23.7          | 510<br>5.3   |
|                                       |  | 3Q05              | ND ND                        | NS                      | NS NS                   | .8.8.J         | 876         | 0.33                | 0.26 J              | ND                    | 20.3                   | 7.4          |
|                                       |  |                   |                              |                         |                         |                |             | -,35                |                     |                       |                        | 1,4          |
| MW-19-9D                              | $\Box$   | 1Q04              | NS                           | . NS                    | NS                      | NS             | NS          | NS                  | NS                  | NS                    | NS                     | NS           |
|                                       | $\vdash$   | 2Q04              | 210                          | ND NO                   | 211                     | 6.0 J          | 621         | 0.14                | 0.33 J              | ND                    | 18.2                   | 1300         |
|                                       | $\vdash$   | 3Q04<br>1Q05      | NS NS                        | NS<br>NS                | NS NS                   | NS             | NS NS       | NS NS               | NS                  | NS                    | NS                     | NS           |
|                                       | $\vdash$   | 2Q05              | NS NS                        | NS<br>NS                | NS<br>NS                | NS<br>NS       | NS<br>NS    | NS<br>NS            | NS<br>NC            | NS                    | NS                     | NS NS        |
|                                       |  | 3Q05              | NS NS                        | NS NS                   | NS NS                   | NS<br>NS       | NS<br>NS    | NS<br>NS            | NS<br>NS            | NS<br>NS              | NS<br>NS               | NS<br>NS     |
|                                       | 一  |                   |                              |                         |                         | ,,,,           | ,,,,        | - 110               | 140                 | 143                   | 143                    | N5           |
| MW-19-10                              |  | 1Q04              | NS                           | NS                      | NS                      | NS             | NS          | NS                  | NS                  | NS                    | . NS                   | NS           |
|                                       |  | 2Q04              | 34                           | ND                      | 109                     | 6.8 J          | 563         | ND                  | ND                  | ND ND                 | 18                     | 2.6 J        |
|                                       | $\vdash$   | 3Q04              | 18                           | ND                      | 98                      | 10.4 J         | 908         | ND                  | .ND                 | ND                    | 19.2                   | 3.3 J        |
|                                       | -  | 3Q04D<br>1Q05     | 22                           | ND ND                   | 97.8                    | 10.8 J         | 890         | ND                  | 0.24 J              | ND                    | 17.9                   | 2.9 J        |
|                                       | $\dashv$   | 2Q05 <sup>L</sup> | 29<br>170                    | ND<br>NC                | 127                     | 5.2 J          | 625         | . ND                | ND ND               | ND                    | 16.9                   | 74           |
| · · ·                                 | $\dashv$   | 2Q05 <sup>U</sup> | 93                           | NS<br>NS                | NS<br>NE                | 32.4           | 653         | ND ND               | ND                  | ND<br>ND              | 18.1                   | 48           |
|                                       | -+   | 3Q05              | 26                           | NS NS                   | NS<br>NS                | 32             | 691.        | ND ND               | 0.12 J              | ND                    | 18.3                   | 48           |
|                                       | +  | 50000             |                              | INO.                    | - INO                   | 10.4 J         | 560         | ND                  | .ND .               | ND                    | 16                     | ND           |
| MW-19-11                              | $\dashv$   | 1Q05              | 940                          | ND                      | 205                     | 4.8 J          | 4,750       | 2.2                 | ND                  | ND                    | 65.6                   | 9.9          |
|                                       | 丁  | 2Q05 <sup>L</sup> | NS .                         | NS                      | NS NS                   | 64             | 731         | ND .                | 0.42 J              | ND                    | 18                     |              |
|                                       | 丁  | 2Q05 <sup>U</sup> | 14                           | NS                      | NS NS                   | 27.2           | 740         | ND                  | ND                  | ND                    | 17.2.                  | 930          |
|                                       | 一十   | 3Q05              | 63                           | NS NS                   | NS NS                   | 106            | 555         | ND ND               | ND D                | 0.11                  | 21.5                   | 1,200        |
|                                       | 丁  |                   |                              |                         |                         |                |             |                     | 110                 | V.11                  | 21.0                   | 20           |
| Atmospheric Blank                     |  | 1Q05              | > 5700                       | ND                      | ND                      | ND             | ND          | ND                  | ND.                 | ND                    | ND                     | ND           |
|                                       |  |                   |                              |                         |                         |                |             |                     |                     |                       |                        |              |
|                                       | _  |                   | t                            |                         |                         |                |             |                     |                     |                       | . 1                    |              |
| Rinsate Blank                         | $\Rightarrow$                                    | 1Q05              | 36                           | ND                      | ND                      | ND             | ND          | ND                  | ND                  | ND                    | ND                     | ND           |

Notes:
As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the impler
(1) . Sulfate has a dilution factor of 5, except for blank samples or unless otherwise noted.

NS = Not Sampled

ND = Not Detected

Lower Grab Sample
Upper Grab Sample

#### Table 4

#### L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey MW19/Hot Spot 1 Quarterly Groundwater Monitoring MNA Field Data

|  |  | <del>,</del>   |  |   |  |   | <del>,                                     </del>                        |  |  |                                  |
|--|--|--|--|---|--|---|--|--|--|----------------------------------|
|  | Event  | DO (mg/L)  | рH   | ORP (mV)  | Conductivity   |   | Temperature  | Ferrous Iron                                     | Alkalinity   | CO2 (mg/L)                       |
| Well ID  |  | (  | P***   | J. ()   | (uS/cm)  | (NTU)   | (°C)   | (ppm)  | (ppm)  | 00,2 (                           |
| 100 40   | 1004   | NS !   | NS   | NS  | NS   | NS  | NS   | NS   | NS   | NS                               |
| MW-19  | 1Q04<br>2Q04   | 10.97  | 7.23   | 24  | 890  | 2   |  | l  | 160  | 70                               |
| · · · · · · · · · · · · · · · · · · ·            | 3Q04   | 0.1  | 7.62   | -10   | 1179   | 2   | 13.94<br>16.18   | NM<br>( <10                                      | 200  | 95                               |
|  | 1005   | 0.1  | 7.67   | 100   | 590  | 5   | 11.82  | 9  | NM <sup>(1)</sup>  | 121                              |
|  |  | 1  | 7.84   | NM  | 734  | 10  |  |  |  |                                  |
| <del></del>                                      | 2Q05 <sup>L</sup>  |  |  |   |  |   | 8.6  | 0.3  | 30   | <10                              |
| ·  | 20050  | 1  | 7.69   | NM  | 760  | 10  | 8.46   | 0.4  | 29   | <10                              |
| ,  | 3Q05   | 1  | 7.03   | 185   | 1920   | 9   | 15.86  | >10  | 110  | 60                               |
| **.  |  | <del> </del>   | ·  | <del>                                      </del> |  | <u> </u>  |  | <del>                                     </del> |  |                                  |
| MW-19-1  | 1004   | NS   | NS   | NS  | NS   | NS NS   | NS   | NS   | NS   | NS                               |
| WINTER STATE                                     | 2004   | 13.9   | 7.22   | 180   | 1373   | 10  | 13.9   | NM   | 125  | 17                               |
| <del>-</del>                                     | 3Q04   | 1 1  | 7.5  | 80  | 1910   | 10  | 18.49  | 0.2  | 90   | 28                               |
|  | 1005   | 1 1  | 7.8  | 213   |  |   |  |  | NM <sup>(1)</sup>  |                                  |
| * * *  |  |  |  |   | 676  | 10  | 11.49  | 1 0  |  | 30                               |
|  | 2Q05 <sup>L</sup>  | 0.8  | .7.6   | NM  | 2540   | 22  | 9.15   | 0.2  | 75   | <10                              |
| <del></del>                                      | 2Q05 <sup>0</sup>  | 11   | 7.67.  | NM  | 2540   | 10  | 8.5  | 0.1  | 90   | <10                              |
| <del> </del>                                     | 3Q05   | 1  | 7.22   | 208   | 2260   | 20  | 15.23  | 0.1  | 100  | 10                               |
|  | +  | <b></b>  |  |   |  |   |  |  |  |                                  |
| MW-19-2  | 1004   | NS   | NS   | NS  | NS   | NS  | NS   | NS   | NS   | NS                               |
| M44-19-2   | 2Q04   | 4 45   | 70   | 92  | 1100   |   | 12.07  | 100  | 210  |                                  |
| <del></del>                                      | 3Q04   | 4.45<br>5  | 7.3<br>7.45  | 83<br>59  | 1199   | 9   | 13.97  | NM 2   | 210  | 60                               |
|  |  |  |  |   | 1830   |   | 16.97  | 2  | 130  | 15.5                             |
|  | 1005   | 1 1  | 7.3  | 249   | 825  | 10  | 11.02  | 0  | NM <sup>(1)</sup>  | 63                               |
|  | 2Q05 <sup>L</sup>  | 0.8  | 7.8  | NM  | 1312   | 29  | 7.76   | 0.1  | 100  | <10                              |
|  | 2Q05 <sup>U</sup>  | 0.8  | 7.76   | NM  | 1316   | 1.0   | 8  | 0.1  | 100  | 10                               |
|  | 3Q05   | 1-1-   | .7.59  | 204   | . 1980   | 3   | 14.87  | 1  | 100  | 10                               |
|  | -  | ┼  |  | <del></del>                                       |  |   | ļ  | <del></del>                                      |  |                                  |
| MW-19-5  | 1004   | NS   | NS   | NS  | NS   | NS  | NS ,   | NS   | NS   | NS                               |
| M14-12-0   | 2Q04   | 10.16  | 7.02   | 41  | 1550   |   | 12.89  | <u> </u>   | L  |                                  |
|  | 3Q04   |  | 7.02   | 87  | 1740   | 10  |  | NM   | 130  | 70                               |
|  | 1Q05   | 1 1  | 7.26   |   |  | 19  | 16.3   | 2  | 150<br>NM <sup>(1)</sup>   | 60                               |
| <del></del>                                      |  | <del>                                     </del>               |  | 226   | 269  | 9   | 10.59  | 9  |  | 63                               |
| · · · · · · · · · · · · · · · · · · ·            | 2005   |  | 7.94   | NM  | 2640   | 10  | 8  | 0  | 45   | 16                               |
|  | 2Q05 <sup>U</sup>  | 0.8  | 7.99   | . NM  | 2100   | 38  | 6.96   | 0  | 45   | 10.5                             |
| <del></del>                                      | 3Q05   | 0.8  | 7.44   | 184   | 920  | 2   | 15.15  | >10  | 100  | 35                               |
|  | +  | +  |  | <u> </u>  | -  |   |  |  |  |                                  |
| MW-19-6  | 1004   | NS   | NS   | NS  | NS   | NS  | NS   | NS   | NS   | NS                               |
| m111-10-0  | 2004   | 5.48   | 6.86   | 56  | 2640   | 10  | 15.24  | NM   | 80   | 33                               |
| <del>                                     </del> | 3Q04   | 3.46   | 7.43   | 83  | 2490   | 4.  | 16.61  | 0.4  | 125  | 20                               |
|  | 1Q05   | 1 1  | 7.73   | 241   | 867  | 12  | 11.79  | -  | NM <sup>(1)</sup>  |                                  |
|  |  | 1 1  |  |   |  |   |  | 0  |  | .41                              |
|  | 2Q05 <sup>L</sup>  |  | 7.5  | NM  | 1870   | 27  | 10.64  | 0.1  | 75   | 15                               |
| <del></del> -                                    | 2Q05 <sup>0</sup>  | 1 1  | 7.48   | NM  | 1790   | 2   | 9.89   | 1  | 80   | 20                               |
|  | 3Q05   | 1 1  | 7.28   | 191   | 3030   | 36  | 15.2   | 0.4  | 70   | 20                               |
|  | <del></del>  |  |  |   |  |   |  | ļ  |  |                                  |
| MW-19-7  | 1004   | NS   | NS   | NS  | NS I   | NS  | NS   | NS   | NS   | NS                               |
| 18.117-13-1                                      | 2Q04   | 5.89   | 6.82   | 48  | 380  | 6   | 14.34  | NM   | 95   | 90                               |
|  | 3Q04   | 1 1  | 6.92   | 113   | 4040   | 2   | 16.77  |  |  |                                  |
|  | 1Q05   | 0.6  | 7.16   | 281   |  |   |  |  | 75<br>NM <sup>(1)</sup>  | 70                               |
|  |  | +  |  |   | 1388   | 1 05  | 11.34  | 3  |  | 63                               |
|  | 2005   | 0.05   | 7.82   | 102   | 938  | 25  | 11.7   | 15   | 160  | 36                               |
|  | 20050  | 1 1  | 7.8  | .NM   | 961  | 49  | 11.22  | 15   | 200  | 29                               |
|  | 3Q05 <sup>L</sup>  | 0.8  | 7.03   | 90  | 2670   | 17  | 14.76  | >10  | 95   | 0.8                              |
|  | 3Q05 <sup>U</sup>  | <del>  '  </del>   | 7.02   | 185   | 2460   | 5   | 16.02  | >10  | 70   | 35                               |
|  | +  | <del>  </del>  |  |   |  |   |  |  |  |                                  |
| MW-19-8  | 1004   | NS   | NS   | NS  | NS   | NS  | NS   | NS   | NS   | NS                               |
| M144-12-0  | 1Q04<br>2Q04   | 200  | E 5  |   |  |   |  |  |  |                                  |
|  | 3Q04   | 3.98<br>0.4  | 6.9<br>7.52  | -24<br>48   | 2010   | 10  | 15.69  | NM   | 125  | 30                               |
|  | 1905   | 0.3  | 7.06   | 161   | 1093   | 7   | 18.29  | 2  | 100  | 19                               |
|  | 2005   | 0.3  | 7.92   | NM  | 177<br>1510  | 16  | 12.92  | 10   | NM <sup>(1)</sup>  | 28                               |
|  | 3005   | 0.8  | 7.07   | 147   | 1820   | 47<br>2   | 10.82<br>18.86   | 3  | 70<br>80   | 19                               |
|  |  | <del>                                     </del>               | 1.01   | _14/  | .1020  |   | 10.00  | 3  | <b>9</b> 0   | 19                               |
|  | 1  | <del>                                     </del>               |  |   | <del></del>  |   | -  |  |  |                                  |
| MW-19-9D   | 1Q04.  | NS   | NS   | NS  | NS   | NS  | NS   |  | **   | **                               |
|  | 2Q04   | 3:03   | 7.11   | -28   | 480  | 63  | 14.64  |  |  | **                               |
|  | 3Q04   | 0.2  | 7.4  | . 8   | 545  | 35  | 15.7   | **   | **   | **                               |
|  | 3404   |  | 7.14   | 193   | 871  | 267   | 11.58  |  | ** - 1   |                                  |
|  | 1Q05   | 1.5  |  |   |  | 70  | 12.12  | - 10   | 70   | 18                               |
|  | 1Q05<br>2Q05   | 1.5<br>0.05  | 7.91   | NM  | 471  |   | 12.12  | >10  | 70   |                                  |
|  | 1Q05   | 1.5  |  | NM<br>189   | 552  | 2   | 16.4   | NA NA  | NA NA  | NA NA                            |
|  | 1Q05<br>2Q05   | 1.5<br>0.05  | 7.91   |   |  |   |  |  |  | . NA                             |
| AMI  | 1Q05<br>2Q05<br>3Q05   | 1.5<br>0.05<br>0   | 7.91<br>7.35   | 189   | 552  | 2   | 16.4   | NA .   | NA .   |                                  |
| MW-19-10   | 1Q05<br>2Q05<br>3Q05   | 1.5<br>0.05<br>0   | 7.91<br>7.35<br>NS   | 189<br>NS   | 552<br>NS  | 2<br>NS   | 16.4<br>NS   | NA<br>NS   | NA<br>NS   | NS                               |
| MW-19-10   | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04   | 1.5<br>0.05<br>0<br>NS<br>3.82                                 | 7.91<br>7.35<br>NS<br>6.78   | 189<br>NS<br>85                                   | 552<br>NS<br>1050  | 2<br>NS<br>7  | 16.4<br>NS<br>13.94  | NA<br>NS<br>NM                                   | NA<br>NS<br>80   | NS<br>25                         |
| MW-19-10   | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04   | 1.5<br>0.05<br>0<br>NS<br>3.82<br>0.1                          | 7.91<br>7.35<br>NS<br>6.78<br>7.35   | 189<br>NS<br>85<br>107                            | 552<br>NS<br>1050<br>1498  | 2<br>NS<br>7<br>11                                    | 16.4<br>NS<br>13.94<br>15.56   | NA<br>NS<br>NM<br>1.5                            | NA<br>NS<br>80<br>65   | NS<br>25<br>20                   |
| MW-19-10   | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04<br>1Q05   | 1.5<br>0.05<br>0<br>NS<br>3.82<br>0.1<br>0.15                  | 7.91<br>7.35<br>NS<br>6.78<br>7.35<br>7.25   | 189<br>NS<br>85<br>107<br>285                     | NS<br>1050<br>1498<br>1039                                       | 2<br>NS<br>7<br>11<br>28                              | 16.4<br>NS<br>13.94<br>15.56<br>13.19                                    | NA<br>NS<br>NM<br>1.5                            | NA<br>NS<br>80<br>65<br>NM <sup>(1)</sup>  | NS<br>25                         |
| MW-19-10   | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04<br>1Q05<br>2Q05 <sup>L</sup>                                      | 1.5<br>0.05<br>0<br>NS<br>3.82<br>0.1<br>0.15                  | 7.91<br>7.35<br>NS<br>6.78<br>7.35<br>7.25<br>7.47                                 | 189<br>NS<br>.85<br>107<br>285<br>NM              | NS 1050 1498 1039 1209   | 2<br>NS<br>7<br>11<br>28<br>52                        | 16.4<br>NS<br>13.94<br>15.56   | NA<br>NS<br>NM<br>1.5                            | NA<br>NS<br>80<br>65   | NS<br>25<br>20                   |
| MW-19-10   | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04<br>1Q05<br>2Q05 <sup>L</sup><br>2Q05 <sup>U</sup>                 | 1.5<br>0.05<br>0<br>NS<br>3.82<br>0.1<br>0.15<br>0.8           | 7.91<br>7.35<br>NS<br>6.78<br>7.35<br>7.25<br>7.47<br>7.48                         | 189<br>NS<br>.85<br>107<br>285<br>NM              | 552<br>NS<br>1050<br>1498<br>1039<br>1209<br>1282                | 2<br>NS<br>7<br>11<br>28<br>52<br>41                  | NS 13.94 15.56 13.19 12.18 11.18   | NA  NS  NM 1.5 2 0.4 1                           | NA<br>NS<br>80<br>65<br>NM <sup>(1)</sup>  | NS<br>25<br>20<br>20             |
| MW-19-10   | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04<br>1Q05<br>2Q05 <sup>L</sup>                                      | 1.5<br>0.05<br>0<br>NS<br>3.82<br>0.1<br>0.15                  | 7.91<br>7.35<br>NS<br>6.78<br>7.35<br>7.25<br>7.47                                 | 189<br>NS<br>.85<br>107<br>285<br>NM              | NS 1050 1498 1039 1209   | 2<br>NS<br>7<br>11<br>28<br>52                        | NS<br>13.94<br>15.56<br>13.19<br>12.18                                   | NA<br>NS<br>NM<br>1.5<br>2<br>0.4                | NA<br>NS<br>80<br>65<br>NM <sup>(1)</sup><br>70                                  | NS 25 20 20 13                   |
|  | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04<br>1Q05<br>2Q05 <sup>1</sup><br>2Q05 <sup>0</sup><br>3Q05         | 1.5<br>0.05<br>0<br>NS<br>3.82<br>0.1<br>0.15<br>0.8           | 7.91<br>7.35<br>NS<br>6.78<br>7.35<br>7.25<br>7.47<br>7.48<br>7.62                 | 189<br>NS<br>.85<br>107<br>285<br>NM              | 552<br>NS<br>1050<br>1498<br>1039<br>1209<br>1282                | 2<br>NS<br>7<br>11<br>28<br>52<br>41                  | NS 13.94 15.56 13.19 12.18 11.18   | NA  NS  NM 1.5 2 0.4 1                           | NA<br>NS<br>80<br>65<br>NM <sup>(1)</sup><br>70<br>75                            | NS 25 20 20 13 13                |
| MW-19-10<br>MW-19-11                             | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04<br>3Q04<br>1Q05<br>2Q05 <sup>1</sup><br>2Q05 <sup>0</sup><br>3Q05 | 1.5<br>0.05<br>0<br>NS<br>3.82<br>0.1<br>0.15<br>0.8<br>1      | 7.91<br>7.35<br>NS<br>6.78<br>7.35<br>7.25<br>7.47<br>7.48<br>7.62                 | 189<br>NS<br>85<br>107<br>285<br>NM<br>NM<br>212  | 552<br>NS<br>1050<br>1498<br>1039<br>1209<br>1282                | 2<br>NS<br>7<br>11<br>28<br>52<br>41                  | NS 13.94 15.56 13.19 12.18 11.18   | NA  NS  NM 1.5 2 0.4 1                           | NA<br>NS<br>80<br>65<br>NM <sup>(1)</sup><br>70<br>75                            | NS 25 20 20 13 13                |
|  | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04<br>1Q05<br>2Q05 <sup>1</sup><br>2Q05 <sup>0</sup><br>3Q05         | 1.5<br>0.05<br>0<br>NS<br>3.82<br>0.1<br>0.15<br>0.8<br>1      | 7.91<br>7.35<br>NS<br>6.78<br>7.35<br>7.25<br>7.47<br>7.48<br>7.62                 | 189  NS  85 107 285  NM  NM  212                  | 552<br>NS<br>1050<br>1498<br>1039<br>1209<br>1282<br>1148        | 2<br>NS<br>7<br>11<br>28<br>52<br>41<br>18            | 16.4<br>NS<br>13.94<br>15.56<br>13.19<br>12.18<br>11.18<br>16.47         | NS NM 1.5 2 0.4 1 0.6 0                          | NA<br>NS<br>80<br>65<br>NM <sup>(1)</sup><br>70<br>75<br>70                      | NS 25 20 20 13 13 13 65          |
|  | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04<br>3Q04<br>1Q05<br>2Q05 <sup>1</sup><br>2Q05 <sup>0</sup><br>3Q05 | 1.5<br>0.05<br>0<br>NS<br>3.82<br>0.1<br>0.15<br>0.8<br>1      | 7.91<br>7.35<br>NS<br>6.78<br>7.35<br>7.25<br>7.47<br>7.48<br>7.62                 | 189<br>NS<br>85<br>107<br>285<br>NM<br>NM<br>212  | 552<br>NS<br>1050<br>1498<br>1039<br>1209<br>1282<br>1148<br>740 | 2<br>NS<br>7<br>11<br>28<br>52<br>41<br>18<br>8<br>38 | 16.4<br>NS<br>13.94<br>15.56<br>13.19<br>12.18<br>11.18<br>16.47         | NS NM 1.5 2 0.4 1 0.6 0 4                        | NA<br>NS<br>80<br>65<br>NM <sup>(1)</sup><br>70<br>75<br>70<br>NM <sup>(8)</sup> | NS 25 20 20 13 13 13 13 15 65 17 |
|  | 1Q05<br>2Q05<br>3Q05<br>1Q04<br>2Q04<br>3Q04<br>1Q05<br>2Q05,<br>2Q05,<br>2Q05<br>1Q05<br>2Q05<br>2Q05<br>2Q05 | 1.5<br>0.05<br>0<br>0<br>NS<br>3.82<br>0.1<br>0.15<br>0.8<br>1 | 7.91<br>7.35<br>NS<br>6.78<br>7.35<br>7.25<br>7.47<br>7.48<br>7.62<br>7.01<br>7.88 | 189  NS  85 107 285 NM NM 212  215 NM             | 552<br>NS<br>1050<br>1498<br>1039<br>1209<br>1282<br>1148        | 2<br>NS<br>7<br>11<br>28<br>52<br>41<br>18            | 16.4<br>NS<br>13.94<br>15.56<br>13.19<br>12.18<br>11.18<br>16.47<br>10.3 | NS NM 1.5 2 0.4 1 0.6 0                          | NA<br>NS<br>80<br>65<br>NM <sup>(1)</sup><br>70<br>75<br>70                      | NS 25 20 20 13 13 13 65          |

Notes:

As mantioned in January 13, 2005 letter, only the MW-19 Hotspot walls will be sampled for MNA parameters due to the implementation of Source Reduction on the L.E. Carpenter property effective 1005.

\*\* Additional field MNA parameters not required for MW-19-6D.

\*\*(C) Laboratory analyzed for alkalinity due to destroyed field kits.

NS = Not Sampled

NM = Not Measured

#### Table 5

#### L.E. CARPENTER AND COMPANY (LEC)

#### Borough of Wharton, Morris County, New Jersey Surface Water Monitoring Data

|   |                          |         |         | ĀŇ        | ALYTI    | CAL PARAME      | TERS        |         |    |             |      |                      |
|---|--------------------------|---------|---------|-----------|----------|-----------------|-------------|---------|----|-------------|------|----------------------|
| MONITORING                              |                          |         |         | 322       |          |                 |             | 100     |    |             |      |                      |
| WELLS                                   | SAMPLE DATE              | QUARTER | 1       | 3enzene 🔭 | Eth      | ylbenzene       |             | Coluene | То | tal Xylenes | Ethy | bis-2-<br>lhexyiphth |
| Anna Anna Anna Anna Anna Anna Anna Anna |                          | UNITS   |         | ua/l      |          | ug/l            |             | 4100/1  |    |             | alat | e (DEHP)             |
| NEW JERSEY SURFAC                       | E WATER QUALIT           |         |         | ug/l      | -        |                 |             | ug/l    |    | ug/l        |      | ug/l                 |
|   | (NJSWQS)                 |         |         | 0.15      | ļ        | 3,030           |             | 7,440   |    | NCS         |      | 1.76                 |
| SW-D-1                                  |                          |         |         |           | ļ        |                 |             |         |    |             |      |                      |
|   | 8-Apr-05                 | 2Q05    | <       | 0.2       | <        | 0.2             | <           | 0,2     | <  | 0.6         | <    | 1.0                  |
| · · · · · · · · · · · · · · · · · · ·   | 26-Jul-05                | 3Q05    | <       | 0.2       | <        | 0.2             | J           | 0,5     | <  | 0.6         | <    | 1.0                  |
| SW-D-2                                  |                          |         |         |           |          |                 |             |         |    | <u> </u>    |      |                      |
| <del></del>                             | 8-Apr-05                 | 2Q05    |         | NS        |          | NS              | <del></del> | NS      |    | NS -        |      | NS                   |
|   | 26-Jul-05                | 3Q05    | <       | 0.2       | J        | 0.5             | <           | 0.2     |    | 6.1         | ) (  | 38.0)                |
|   |                          |         |         |           |          |                 |             | _       |    |             |      |                      |
| SW-D-3                                  |                          |         |         |           | <u> </u> |                 |             |         |    |             |      |                      |
|   | 8-Apr-05                 | 2Q05    | <       | 0.2       |          | (21.0)          | <           | 0.2     |    | 79.0        | J    | 2.0                  |
|   | 26-Jul-05                | 3Q05    | <       | 0.2       | <        | 0.2             | <           | 0.2     | J  | 1,1         | J    | Z.0                  |
| SW-R-1                                  | -                        |         |         |           |          |                 |             |         |    |             |      |                      |
| Composite -                             | 20-Apr-05 <sup>(1)</sup> | 2Q05    | < 4     | 0.2       |          | 17.0            | J           | 0.8     |    | 99.0        | J    | 2.0                  |
|   | 25-Jul-05                | 3Q05    | <       | 0.2       | <_       | 0.2             | ٧           | 0.2     | <  | 0.6         | J    | 1.0                  |
| SW-R-2                                  |                          |         |         |           |          |                 |             |         |    |             |      |                      |
|   | 20-Apr-05                | 2Q05    |         | NS        |          | NS              |             | NS      |    | NS          |      | NS                   |
|   | 25-Jul-05                | 3Q05    | <       | 0.2       | <        | 0.2             | <           | 0.2     | <  | 0.6         | <    | 0.9                  |
| SW-R-3                                  |                          |         |         |           |          |                 |             |         | -  |             |      |                      |
|   | 20-Apr-05                | 2Q05    |         | NS        |          | NS              |             | NS      | -  | NS          |      | NS                   |
|   | 25-Jul-05                | 3Q05    | <       | 0.2       | <        | 0.2             | <b>~</b>    | 0.2     | <  | 0.6         | <    | 0.9                  |
|   |                          |         |         |           |          | <del>V=</del> . |             | - 27-   |    |             |      |                      |
| SW-R-4                                  |                          |         |         |           |          |                 |             |         |    |             |      |                      |
|   | 20-Apr-05                | 2Q05    | · · · · | NS        |          | NS              |             | NS      |    | NS          |      | NS                   |
|   | 25-Jul-05                | 3Q05    | <       | 0.2       | <        | 0.2             | <           | 0.2     | <_ | 0.6         | <    | 0.9                  |
| SW-R-5                                  |                          |         |         |           |          |                 |             |         |    |             | _    |                      |
|   | 20-Apr-05                | 2Q05    |         | NS        |          | NS              |             | NS      |    | NS          |      | NS                   |
|   | 25-Jul-05                | 3Q05    | <       | 0.2       | <        | 0.2             | <           | 0.2     | <  | 0.6         | <    | 0.9                  |

#### LEGEND

ug/L = micrograms per liter

NCS: No Criteria Specified

NS = Not Sampled

duplicate sample

Concentration exceeds NJSWQS

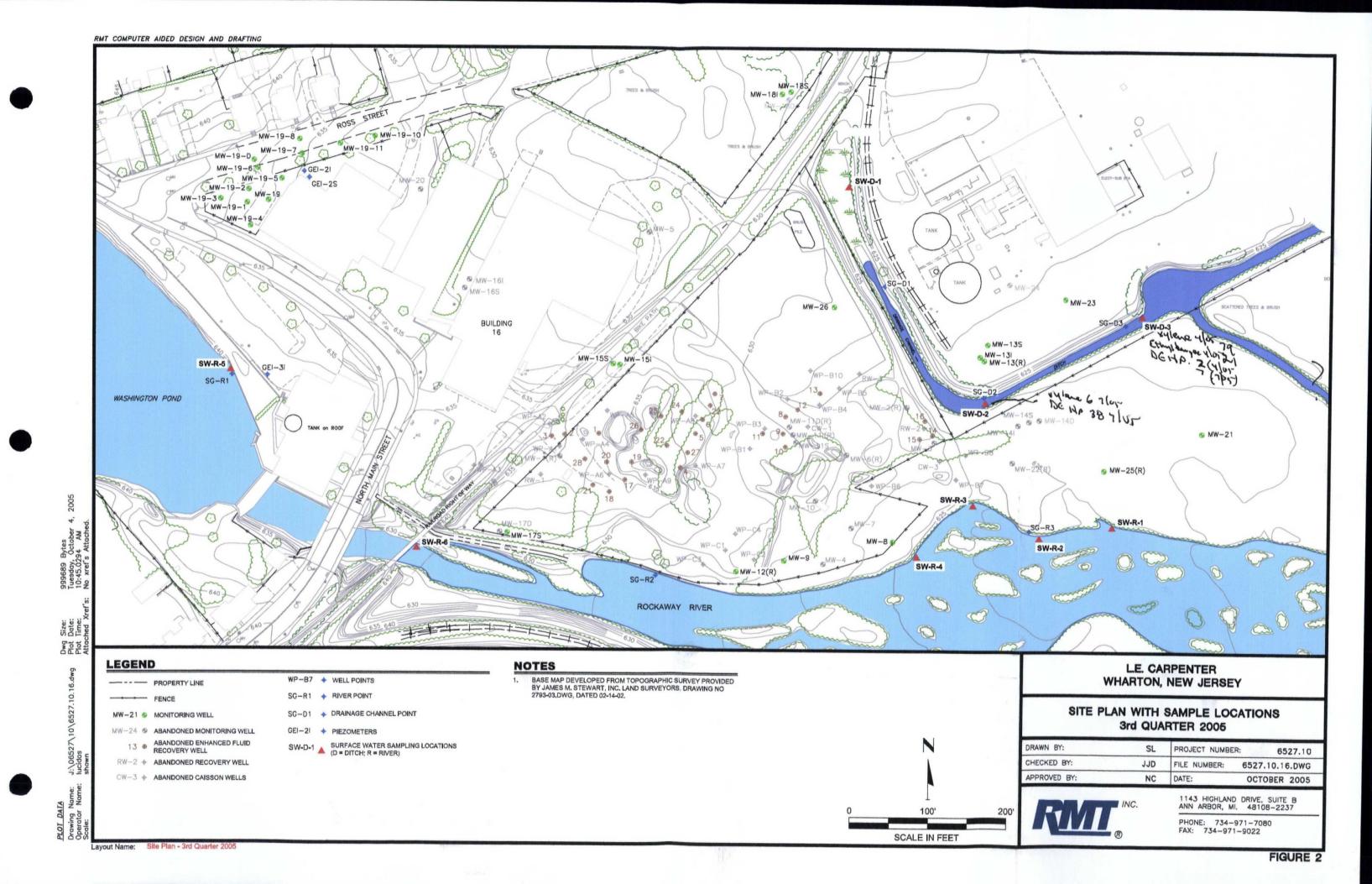
38.0

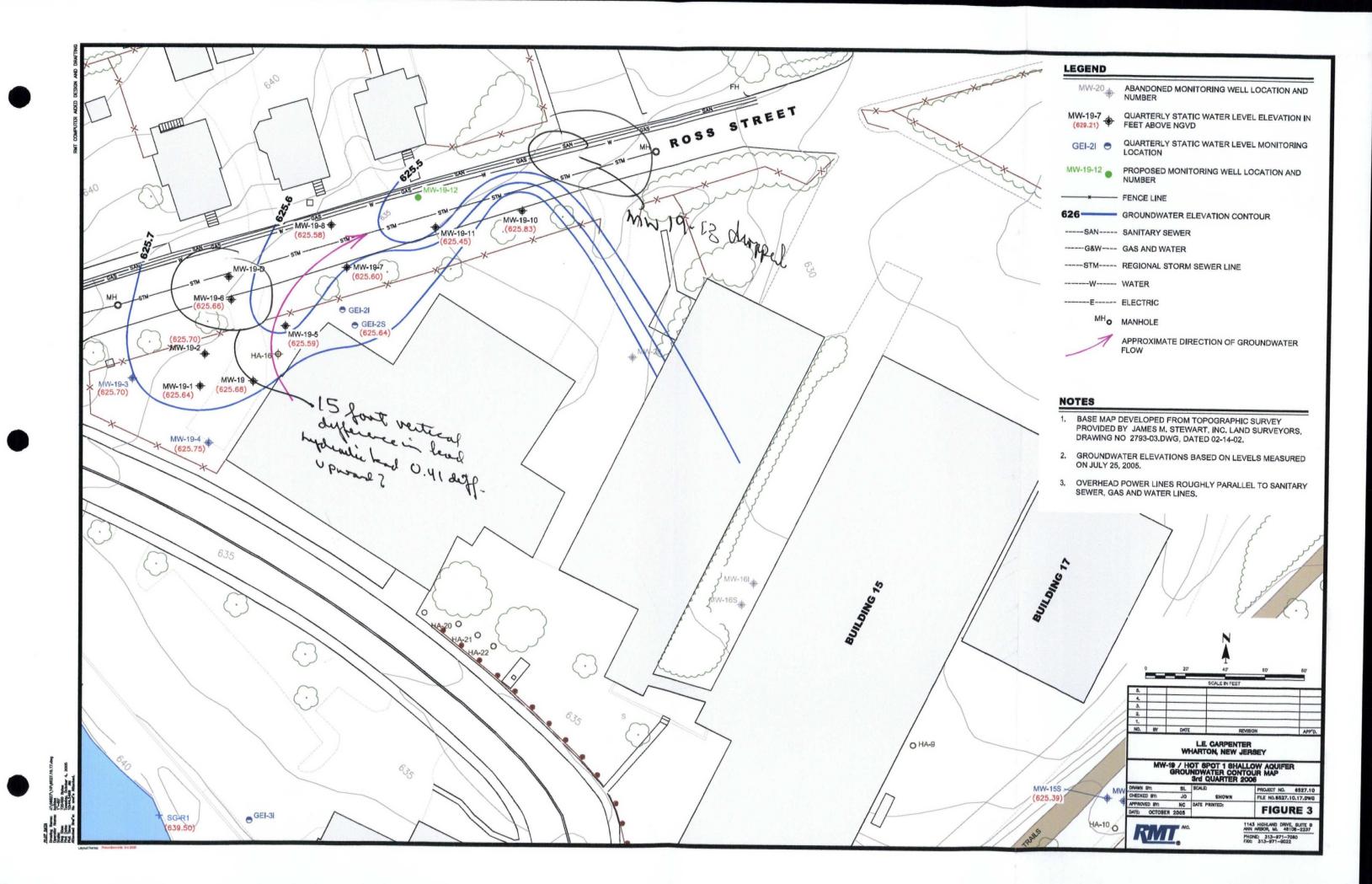
One surface water sample was collected near the edge of the river immediately adjacent to the location of absorbent booms that were placed in order to prevent any migration into the river of sheen served on top of quiescent water ponded within the wetland area. Due to bottle mislabeling and laboratory error, each of the five river sample bottles (R-1 through R-5) were analyzed individually instead of as a whole set. The highest concentration detected in any of the five laboratory results for the river sample are listed under SW-R-1 for April 2005.

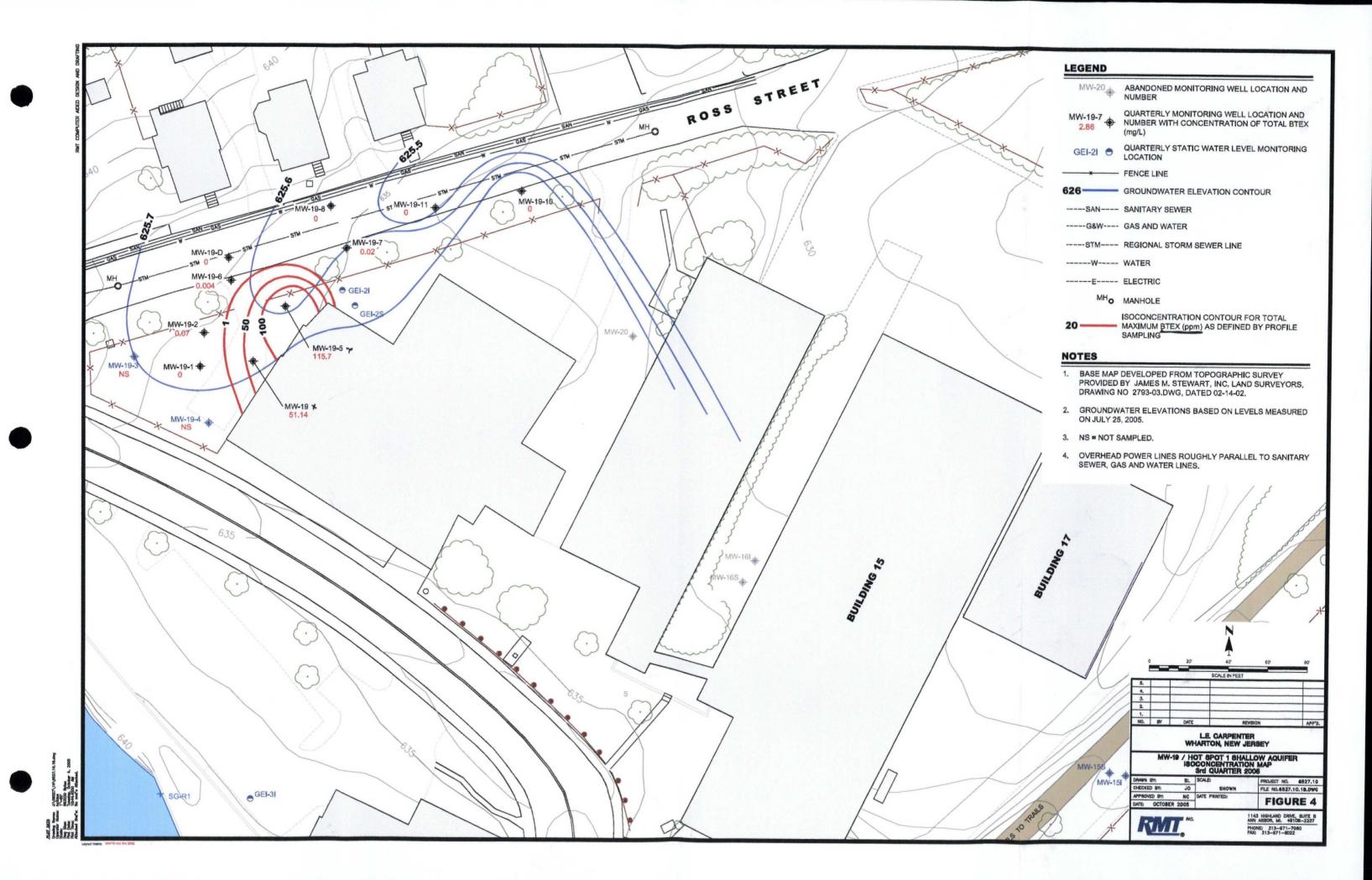
B: Analyte also detected in blank

J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

<sup>\* =</sup> Detection limit is elevated due to interference from other parameter detections. Laboratory will be contacted to lower benzene detection limit to be below the NJSWQS.







# Appendix A Report Certification

## REPORT CERTIFICATION PURSUANT TO N.J.A.C. 7:26E-1.5

"I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement, which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

| Mr. Cristopher R. Anderson       |
|----------------------------------|
| PRINTED NAME                     |
|                                  |
| Director, Environmental Services |
| TITLE                            |
|                                  |
| L.E. Carpenter & Company         |
| COMPANY                          |
| Castolin Orders                  |
| SIGNATURE                        |
|                                  |
| 10/12/05                         |
| DATE                             |

# Appendix B NJDEP Letter dated July 20, 2005



#### State of New Jersey

Department of Environmental Protection

Bradley M. Campbell Commissioner

Christopher Anderson
Director Environmental Affairs
L.E. Carpenter and Company
33587 Walker Road

Avon Lake, OH 44012

Richard J. Codey

Acting Governor

JUL 2 0 2005

Re: L.E. Carpenter Superfund Site
Wharton Borough, Morris County, New Jersey

The New Jersey Department of Environmental Protection (NJDEP or Department) has completed a review of the 1<sup>st</sup> Quarter Monitoring Report dated April 28, 2005. This document was prepared by RMT, Inc. on behalf of L.E. Carpenter and Company (LE). The NJDEP finds the report to be conditionally acceptable provided the following comments are addressed.

#### General Comment:

The NJDEP reiterates the requirement that any wells must be profile sampled to identify the most contaminated zone(s) when the new sampling program is established. Subsequent sampling would then target this zone.

#### Specific Comment:

Response to Regulatory Review of the 3<sup>rd</sup> Ouarter 2004 Monitoring Report, page 1-3: The report states that 2 surface water samples were collected from the Air Products drainage ditch as part of the 2Q05 sampling event. It has been repeatedly requested in previous comments that the known discharge points (areas of sheen) at the Rockaway River and the Drainage Ditch be sampled immediately or during the next quarterly sampling event. The NJDEP is unclear why the Rockaway River was not sampled as part of the 1<sup>st</sup> Quarter 2005 sampling event as previously requested by the Department. This issue shall be clarified.

Should you have any questions please contact me at (609) 633-1416.

Sincerely,

्रा स्त्राच्ये स्ट्राप्त, व्यवस्थान प्रत्यासम्बद्धम् स्ट्रीयम् बच्चा ग्राम्य क्रियम् द्वार्यस्य स्ट्रिस्ट स्व म्<mark>रुमेश्यः</mark> स्वयं प्रत्यस्य स्थान व्यवस्थानम् स्त्राप्तस्य स्त्राप्तस्य स्ट्रीया स्वयं प्रविदेशस्य स्थान**व्ययः दर्** 

Anthony Cinque, Case Manager
Bureau of Case Management

C: Nick Clevett, RMT
Steve Cipot, USEPA
George Blyskun, BGWPA
John Prendergast, BEERA

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## Appendix C 3<sup>rd</sup> Quarter 2005 Monitoring Well Sampling Data



| PROJECT NAME:          | L. E. Carpenter                                |
|------------------------|--|
| PROJECT NUMBER:        | 6527.10  |
| LOCATION:              | Wharton, NJ                                    |
| DATES OF FIELD WORK:   | July 25 - 27, 2005                             |
| PURPOSE OF FIELD WORK: | 3 <sup>rd</sup> Quarter Groundwater Monitoring |
| t                      |  |
| WORK PERFORMED BY:     | Jennifer Overvoorde                            |
| ·                      |  |

| Drencorde |  |
|-----------|--|
| Signed    |  |

7|25|05 Date



8 (8/05 Date



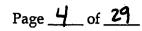
#### **GENERAL NOTES**

| PROJECT NAME: L. E. Carpenter DATE: 7 25/05                                |
|--|
| PROJECT NUMBER: 6527, 10 AUTHOR: J. Overvoorde                             |
| TIME ARRIVED ON SITE: 12 <sup>30</sup> TIME LEFT SITE: 6 <sup>20</sup>     |
| WEATHER:  Temperature: 88 F° Wind: ~ 10 MPH Visibility: Clear w Sew clouds |
| WORK/SAMPLING PERFORMED:   |
| collected water levels   |
| organize bottles   |
| Site walk - MW-185+I still present thick                                   |
| MW-26 troken off below grade-cover wings                                   |
| MW-26 troken off below grade-cover wings                                   |
| sampled river surface water locations:                                     |
| (SW-R-1 through SW-R-S)  |
| PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:                              |
|  |
|  |
|  |
|  |
|  |
| •  |
|  |
|  |
| COMMUNICATIONS:  |
| COMMUNICATIONS:  Name/Representing: Jum Derker                             |
|  |



#### **GENERAL NOTES**

| PROJECT NAME: L. E. Carpenter DATE: 7 26 05                                       |
|---|
| PROJECT NUMBER: 6527.10 AUTHOR: J. Overvoorde                                     |
| TIME ARRIVED ON SITE: TIME LEFT SITE:   |
| WEATHER:  Temperature: 95 Fo Wind: 5-10 MPH Visibility: Clear, surmy, sticky, hot |
| WORK/SAMPLING PERFORMED: <u>collect ditch surs. water samples</u> (sw-D-1 +t      |
| start 3rd quarter sampling:   |
| MW-19-11 (921-1006), MW-19-10 (1148-1228) w/ Dup-01                               |
| MW-\$19-6 (1427-1502) w/ Atm. Blnk 1515   |
| MW-19-2 (1555-1620) NW-19-5 (1800-1825)   |
|   |
|   |
|   |
|   |
| PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:                                     |
|   |
|   |
|   |
|   |
|   |
|   |
|   |
| COMMUNICATIONS:   |
| Name/Representing:  |
| Subject/Comments: re: status update, smen of Mw-19-5                              |
| Signed: Wenoorde of the signed  |





#### **GENERAL NOTES**

| PROJECT NAME: L. E. Carpenter DATE: 7/27/05                          |              |
|--|--------------|
| PROJECT NUMBER: 6527, 10 AUTHOR: J. Overvoorde                       |              |
| TIME ARRIVED ON SITE: 700 TIME LEFT SITE: 1700                       | •            |
| WEATHER: Temperature: 90 F Wind: 10-15 MPH Visibility: partly Clouds | y, rain over |
| WORK/SAMPLING PERFORMED:   | 1000         |
| finish groundwater sampling, pack/clean-                             | up           |
| MW-19-1 (720- 920) w/ ms/msb   | ·            |
| MW-19-9D(822-847), MW-19 (1015-1045)                                 | ,            |
| MW-19-7 Upper (1205-1225), MW-19-7 Lower                             | ,            |
| MW-19-8 (1333-1353), RB-01 (1645)                                    |              |
|  |              |
|  |              |
| PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:                        |              |
| FROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:                        |              |
|  |              |
|  |              |
|  |              |
|  |              |
|  |              |
|  |              |
|  |              |
| COMMUNICATIONS:  |              |
| Name/Representing:   |              |
| Subject/Comments:  |              |
| Signed: 10 remoorde  |              |



### WATER LEVEL DATA

PROJECT NAME: LE Carpenter

DATE: July 25, 2005

PROJECT NUMBER: 6527.10

SAMPLER: J. Overvoorde

|            |      |     |       | Depth to Water |        |          |
|------------|------|-----|-------|----------------|--------|----------|
| Fravelli 6 |      |     |       |                |        |          |
| MW-19      | 1546 | NA  | 8.19  | 10.22          | 16.56  | NA       |
| MW19-1     | 1554 |     | 7.74  | 10.00          | 15.00  |          |
| MW19-2     | 1601 | . ( | 8.62  | 10.60          | 15.93  |          |
| MW19-3     | 1558 |     | 8.81  | 11.00          | 15,30  |          |
| MW19-4     | 1549 |     | 7.21  | 9.68           | 16.01  |          |
| MW19-5     | 1543 |     | 8.01  | 9.97           | 15.43  |          |
| MW19-6     | 1604 |     | 8.29  | 10.16          | 19.63  |          |
| MW19-7     | 1630 |     | 7.61  | 9.40           | 20.20  |          |
| MW19-8     | 1626 |     | 7.98  | 9.78           | 19.52  |          |
| MW19-9D    | 1622 |     | 7.94  | 9.85           | NA-pum | )        |
| MW19-10    | 1647 |     | 6.48  | 8.60           | 20.10  |          |
| MW19-11    | 1644 |     | 6.40  | 8.22           | 15.79  | 2.2      |
| GEI-2S     | 1616 |     | 9.55  | 11.43          | 19.61  |          |
| GEI-2I     | 1610 |     | 9.64  | 11.57          | 39.35  |          |
| GEI-3I 🏵   | 1500 |     | 11.81 | 13.72          | KW     | <b>5</b> |
| MW-15S     | 1652 |     | 8.85  | 10.78          | NM     |          |
| MW-15I     | 1655 |     | 8.80  | 10.72          | NM     |          |
| SGR-1      | 1457 | . 🗸 | 1.95  | 1.42           | NA     | • 78     |

@ Not Secure- Frocasing top broken

Of verwords 7/25/05

Signed

QC'd By

Date

| RMT. EQU                        | PMENT SUMMARY  | SHEET: 6 of DATE: 27 05 CHECKED BY: EES  |
|---------------------------------|--|--|
| PROJECT: L. E. Carpenter        | PROJECT NO:  | 6527.10   REVIEWED BY:   |
|                                 |  |  |
| Wysiaethavarynykinaeth          | Nusyyeregodellaggeddyyng/fest  |  |
|                                 |  | en de la companya de<br>La companya de la co |
| GED MP-3                        |  | <u>LEC</u>   |
| Name and Model Number of In-    | strument   | Serial Number (if applicable)  |
|                                 |  |  |
| Distribution Romano Medicay/ast | gwewswasiengswegegogeeg  | entro Wall Research  |
|                                 |  |  |
| QED MP-                         | 3D   | LEC  |
| Name and Model Number           |  | Serial Number (if applicable)  |
|                                 |  |  |
| RUEGING NETHODA SE X            |  |  |
|                                 |  |  |
| Name and Model Number of Pr     | ble Bladder  | <u>LEC</u>   |
| Name and Model Number of Pr     | ımp or Type of Bailer  | Serial Number (if applicable)  |
| SW: Staintes:                   | s steel Pond Sami  | Plen   |
| Na Veorei un artuaviaria in in  | ± , , , , , , , , , , , , , , , , , , ,  |  |
|                                 | And the second of the second s |  |
| 55 gal dn                       | uns  |  |
| •                               |  |  |
| SAMPUNE MERIODIA PRE            |  |  |
|                                 |  |  |
| QED Portabl                     | c Bladder  | LEC  |
| Name and Model Number of Po     | •  | Serial Number (if applicable)  |
| Jeohlon-lir                     | red polyeth wel  | A dedicated  |
| Turbing Type                    |  |  |

Name and Model Number of Device

Filter Type

Tubing Type

DECONTANTIVATION AND FILED BLANK WATER SOURCE

DI Water Source

Chem source

Potable Water Source (if applicable)



|       |          | · •     |
|-------|----------|---------|
| METER | CALIBRAT | ION LOG |

| PROJECT NAME: L.E            | E. Carpenter            |          | DATE: _           | 7 26 0   | 5                  |             |
|------------------------------|-------------------------|----------|-------------------|--|--------------------|-------------|
| PROJECT NUMBER: _            | 6527.10                 |          | SAMPLE            | R: <u>J. Overvoo</u>   | orde               |             |
| MODEL: QED                   | MP-20                   |          | SERIA             | L NO.:   | LEC                |             |
|                              |                         | рН       | METER             |  | ,                  |             |
| pH4pre-calibration           | pH 4 after calibre      | tion pH  | 7-pre-calibration | pt-l 7 after o   | alibration :       | I me        |
| 3.92<br>4.02                 | 4.00                    |          | 7.15              | 7.00<br>7.00   |                    | 900<br>1835 |
| 7.02                         | 4.00                    |          | 7.11              | 7,42   | ,                  | 1000        |
|                              |                         |          |                   |  |                    |             |
| Buffer Lot Numbers: pH 4     | 2408349 0               | n 104    | ماد               |  |                    |             |
| ·                            |                         | 410      |                   | _  |                    | <b>*</b>    |
| CONDUCTIVI                   | Constitution and        |          |                   |  | REDOX MET          |             |
| Soln 24.12                   | Cond @ 25°C             | Time 9ec |                   | 24.12  | <b>235</b>         | 960         |
| 25.05                        | 1413                    | 1835     |                   | NR   | 240                | 1835        |
| <del></del>                  |                         |          | -                 |  |                    |             |
|                              | ·                       |          | 1 [               |  |                    |             |
| Calibration Solution Lo      | Number: 2409            | 3094     | <br>C             | alibration Solut   | tion Lot Number:   | NA          |
| Calibration Range for S      |                         |          | 25°C C            | alibration Rang  | ge for Solution _2 | 25 – 250 mV |
| MODEL:                       | Hach 210                | 90       | SERIA             | J NO   | CRM- L             | E Canpente  |
|                              |                         |          | idity Meter       |  |                    |             |
| Feblivalue (N                | TOUNTAIN SECTION OF THE |          | adino (Nerli)     |  |                    |             |
| 0 - 10 ran                   | ge                      |          | 6                 | A STATE OF THE PROPERTY OF THE |                    |             |
| 0 - 100 ran<br>0 - 1,000 ran | <del>-</del>            |          | 51<br>500         |  | 900                |             |
| 0 - 10 ran                   | <del>*</del>            |          | 6                 |  | <del></del>        |             |
| 0 - 100 ran<br>0 - 1,000 ran |                         |          | <u>51</u><br>501  |  | 1835               |             |
| <u> </u>                     |                         |          |                   |  |                    |             |
| Problems/Corrective Ac       | etions: <u>* ORY</u>    | goczu.   | t seem t          | o move o   | down pas           | + 175mV.    |
| Dremoord                     | 0 7/21                  | 605      | Sille             |  | 2/1                | 8/05        |
| Signed                       | Date                    | دوالا    | QC/d By           |  | Date               | 7/5         |



### **METER CALIBRATION LOG**

| PROJECT NAME: L. E. Carpenter | DATE: 72705            |
|-------------------------------|------------------------|
| PROJECT NUMBER: 6527.10       | SAMPLER: J. Overvoorde |
| MODEL: QED. MP- 20            | SERIAL NO.: LEC        |
| H METI                        | <b>≘R</b>              |

| 4 pre-calibration | pH 4 after calibration | pH 7 pre-calibration | pH 7 after calibration | Time |
|-------------------|------------------------|----------------------|------------------------|------|
| 3.89              | 4.0                    | 713                  | 7.00                   | 710  |
| 4.02              | 4-0                    | 7.17                 | 7.00                   | 1515 |
|                   |                        |                      |                        |      |
|                   |                        |                      |                        |      |
|                   |                        |                      |                        |      |

Buffer Lot Numbers: pH 4: 2408547 pH 7: 2410406

#### **CONDUCTIVITY METER**

| liemp of Calibration<br>Soln | Corrected<br>Cond. @ 25% | Time |
|------------------------------|--------------------------|------|
| 24.11                        | 1413                     | 710  |
| 24.92                        | 1413                     | 1515 |
| ·                            |                          |      |
| ·                            |                          |      |
|                              |                          |      |

Calibration Solution Lot Number: 24 0809 4 Calibration Range for Solution 1412 ±1 µmhos/cm @25°C REDOX METER\*

| Temp.C°        | EH Reading (mV | ) Time |
|----------------|----------------|--------|
| 24.11          | 231            | 710    |
| 24.11<br>24.92 | 231<br>239     | 1515   |
|                |                |        |
|                |                |        |
|                |                |        |

Calibration Range for Solution 225 - 250 mV

MODEL: Hach 2100 P

SERIAL NO .: LE Carpenter

### **Turbidity Meter**

| GelVaiue (NFU): | (URIV) (URIV) | Control of the Contro |
|-----------------|---------------|--|
| 0 - 10 range    | 4             |  |
| 0 - 100 range   | 52            | <sup>1</sup> 7 <sup>10</sup>   |
| 0 – 1,000 range | 502           | •  |
| 0 - 10 range    | 6             |  |
| 0 - 100 range   | 51            | 1 157  |
| 0 – 1,000 range | 501           | 1  |

| Problems/Corrective Actions: | * ORP doesn' | t seem to be working | 3        |
|------------------------------|--------------|----------------------|----------|
|                              |              |                      | <u> </u> |
| Dienourde                    | 7/27/05      |                      | 8/18/05  |
| Signed                       | Date         | QC'd By              | Date     |



| PROJECT NAME  | PREPARED                           |                                       | CHECKED             |                | PRO            | JECT NO.                   |
|---|------------------------------------|---------------------------------------|---------------------|----------------|----------------|----------------------------|
| L.E. Carpenter - Wharton, NJ  | By: JO                             | Date: 7 25                            | By: 565             | Date: 6        | 2186           | 6527.10                    |
| SAMPLE NO.: SW-R-5  | WELL DIA                           | AMETER:                               | 2" 🗌 4" 🗖           | Other MAL      |                |                            |
| WELL MATERIAL: PVC SS   | Iron 🔀                             |                                       | •                   | Other          | ·              |                            |
| SAMPLE TYPE: GW GW  | <u> </u>                           |                                       |                     | her            |                | <del></del>                |
| SAMIFLE TIPE. GW  | AAA TVI OAA                        |                                       | sacriateO           |                |                |                            |
| PURGING TIME:   | DATE:                              |                                       |                     | TIME:          | 1510 DA        | TE: 7/25/05                |
| WELL VOLUME:  |                                    | pH:                                   | : SU                | ТЕМР.          | <u>°C p.c</u>  | . 110/L                    |
| TOTAL VOLUME REMOVED:   |                                    |                                       | ND. umhos/          |                |                | O <sub>2</sub>             |
| METHOD: ☐ Bailer, ☐ Purr  DEPTH TO WATER: T/  | p Bladder                          |                                       | RBIDITY: N          | TO ORP         | H COLC         | Nk mg/L                    |
| DEPTH TO BOTTOM: T/   | M1.                                |                                       | RBIDITY: N          |                |                |                            |
| ODOR: None Other  | COLOR:                             | FIL                                   | TRATE (0.45 um      | n) 🗌 Yes 🔯     |                |                            |
| TURBIDITY: None Slight  | Moderate                           |                                       | DOR: None           | ☐ Other        |                |                            |
| COMMENTS:  DISPOSAL METHOD: ☐ Ground ☑  | Drum C Other                       |                                       | OLOR:               | · .            |                |                            |
| BISPOSAL METHOD: I I Ground W   | Drum i i Otner                     |                                       | MMENTS:             |                |                |                            |
|   | Turbidity/ =:OBP                   |                                       | Conductivity        | Temperature    | Water Level    | Cumulative<br>Purge Volume |
| memin.  | (MTL) = (mV)                       | (mg/L)                                | (Comected)          | (°C)           | (0.014)        | 44                         |
| ISID NA   |                                    |                                       |                     |                |                | Initial                    |
|   |                                    |                                       |                     |                |                |                            |
|   |                                    |                                       |                     | . ,.           |                |                            |
|   |                                    |                                       |                     |                |                |                            |
|   | <u> </u>                           |                                       |                     |                |                |                            |
|   |                                    |                                       |                     |                |                |                            |
|   |                                    |                                       |                     |                |                | <del></del> ,              |
|   |                                    |                                       |                     |                |                |                            |
| Stabilization complete when 3 success In addition, Turbidity <10 NTU or 3 succ  |                                    |                                       | iits: pH +/- 0.1 Sl | J; Cond +/- 20 | (TC); Temp +/  | -5° C                      |
| The second control to the second control of |                                    |                                       |                     |                | ·              |                            |
| ELECTRICAL CONTRACTOR | PRESERVATIVE C<br>A - None B - HNC | <u>ODES:</u><br>D3 <u>C - H-SO4</u> [ | O - NaOH F - HC     | I F- Na₂S₂O₂   |                |                            |
|   | Preservative F                     | iltered Numb                          |                     | Туре           | Preservative ' | Filtered                   |
| \$3 40 mL Glass E   |                                    | Y N Z                                 | 1000_mL             | Class          | 0              |                            |
| 40 ml Glass /   |                                    | Y⊠N 2                                 | 1000 mL             | Amber          | F              | □Y⊠N                       |
| 40 ml Glass   |                                    | PB4 2                                 | 1000 mL             | Plastic        | A ~            |                            |
| 120 ml Plastic F  |                                    | Y N                                   |                     |                |                |                            |
|   |                                    |                                       |                     | 1              |                |                            |
| CHAIN-OF-CUSTODY NUMBER: 00 9   | 68620 ATE SHIF                     | PPED: 7                               | 26/05               | METHOD: _      | Lab Co         | urier                      |
| AIRBILL NUMBER: VA  | SIGNED:                            | M)won                                 | ande                | DATE:          | Izelas         |                            |
| 1417  |                                    |                                       |                     | <i>DATE.</i>   | 103/02         |                            |



| PROJECT NAM  | <u> </u>   | PREPARED   | <u> </u>   | <u> </u>                                     | CHECKED                                |  |  | ROJECT NO.                                       |
|--|--|--|------------|--|--|--|--|--|
|  |  |  |            | 25/05  |  | Detail   | 1 1  | 6527.10  |
| L.E. Carpenter   | - vynanon, NJ  | By: JO   | Date: 1    | 1000   | Dy. 667                                | Date: %  | 1805   | 0027.10  |
| SAMPLE NO.:  | SW-R-1   | WELL   | DIAMETER:  | □ 2"   | □ 4" 💢 C                               | Other NA                                       | •  |  |
| WELL MATERI  | AL: PVC SS   | ☐ Iron D   | Other      | NA   |  |  |  |  |
| SAMPLE TYPE  | : 🗌 GW 📙   | ww 🕱 sw  | □ DW       | ☐ Leaci                                      | nate 🗌 Othe                            | ər   |  |  |
|  |  | T  | <i>)</i>   |  |  | <b>24</b>                                      | 1723   | 2100   |
| PURGI  | NG TIME:   | DAT  |            |  | VAMABRIERS                             |  | 1723   | DATE: 7)25/05                                    |
|  | WELL VOLUME: ☐ Galions ☐ Liters ☐ DH: SU TEMP. °C D.O. ma/L  |  |            |  |  |  |  |  |
| TOTAL VOLUM METHOD: □  | ·  | np. Bladder  | Liters     | COND   |  |  | 10 mV  | CO₂<br>Alk mg/L                                  |
| DEPTH TO WA  |  | M Diaddel  |            | 1  | :□Nene□(                               |  |  | LOR:   |
|  | DEPTH TO BOTTOM: T/ None Slight Moderate Very  |  |            |  |  |  |  |  |
|  | ODOR: ☐ None ☐ Other COLOR: FILTRATE (0.45 μm) ☐ Yes ☒ No  |  |            |  |  |  |  |  |
| TURBIDITY: [   | None ☐ Sliaht  | ☐ Moderate   | ☐ Verv     | 1  | R: None [                              | Other  |  |  |
| DISPOSAL ME  | THOD: □ Ground 🗵   | Drum 🏻 Oth   | er         | COMM   | DR:<br>IENTS:                          |  |  |  |
|  |  | The second property of the second sec |            |  |  | manus (in plan manus namanii himano in diamina | Service Company of the Company of th | MACHINA CONTRACTOR                               |
| Time   | geiRate pH<br>gal or (SU)  |  | S. Oxy     | gen - J                                      | 111108/611                             | emperature<br>(PC)                             | Water Level<br>(0.01 ff)   | Cumulative<br>Purge Volume                       |
|  | iL/min).   | (11.10)  |            | <b>/L)</b> - (                               | Corrected)                             |  |  | Initial  |
|  |  |  |            |  |  |  |  | unuai  |
|  |  |  |            |  |  |  |  | <del>                                     </del> |
|  |  |  | ·          |  |  |  |  |  |
|  |  |  |            | - (1)  | }                                      |  |  |  |
|  |  |  |            | 14,  |  |  |  |  |
|  |  |  |            |  |  |  |  |  |
|  |  |  |            |  |  |  |  |  |
|  |  |  |            |  |  |  |  |  |
|  | plete when <u>3 success</u><br>dity <10 NTU or 3 suc   |  |            | ving limits:                                 | pH +/- 0.1 SU;                         | Cond +/- 20                                    | (TC); Temp   | +/-5° C  |
| to Schall Control in the Control State of the Control of the Contr | i Norder ( 1 No 18 a 18 No 18 No. 18 page at the close of the contract high and the press of the state of the | •  | -          | ·  | ······································ |  | · · · · · · · · · · · · · · · · · · ·  |  |
|  | SELLED   | PRESERVATIV  |            | SO4 D-N                                      | AOH F-HCI                              | F- Na-S-O-                                     |  |  |
|  | Size Type  | Preservative   | Filtered   | Number                                       | Size                                   | Type   | Preservativ  | e Filtered                                       |
| \$3 40   | mL Glass   | E  | □Y⊠N       | 2  | 1000 mL                                | Glass_   | e  | BY SW  |
| 40   | mL Glass   | A  | DY BN      | 2  | 1000 mL                                | Amber  | F  | □Y⊠N   |
| 1 40   | ml Glass   |  | BY MA      | 2  | 1600 mL                                | Plastie  | A  | DY BN  |
| 1 12   | mL Plastic   | E_   | DY N       |  |  |  |  |  |
|  |  |  |            | <u>.                                    </u> | 1                                      | 1  |  | <u> </u>   |
| CHAIN-OF-CUSTO   | DY NUMBER: 0096  | 362 DATES  | SHIPPED:   | 7/21   | 0 05                                   | METHOD:  | Lab c  | aurier   |
|  | <del></del>  |  | Ja         | 0 10   | 1.                                     | _  | ندامه ۱۰   | ,  |
| AIRBILL NUMBER:  | NA   | SIGNE  | . <u> </u> | CIVO DY                                      | CUL                                    | DATE:  | 142/02   |  |



| PROJECT NAME   | PREPARI                 | ED                             | CHECKED    |  |                   |                                       | JECT NO.                   |
|--|-------------------------|--------------------------------|------------|--|-------------------|---------------------------------------|----------------------------|
| L.E. Carpenter - Wharton, N.   | J By: JO                | Date: 7                        | 75/05      | ву: 🚜                                  | Date: 2           | 3 18 65                               | 6527.10                    |
| SAMPLE NO.: SW-R-WELL MATERIAL: PVC  | ☐ SS ☐ Iron             | L DIAMETER:  Other  DW DW      | ☐ 2°<br>MA |  | ther <b>WA</b>    |                                       |                            |
| PURGING 1  | ПМЕ: DA                 | ATE:                           |            | SAWEUE                                 | TIME:             | 1730 DA                               | TE: 7/25/05                |
| THE RESERVE OF THE PROPERTY OF | Gallons   Liters        |                                | pH:        | su l                                   | TEMP.             | °C D,O                                | . ma/L                     |
| TOTAL VOLUME REMOVED   | ): Gettions             | Liters                         | CONE       | ). umhos/cm                            | Ferr. Fe          | mo/L C                                | O <sub>2</sub>             |
| METHOD: Bailer.  | Dump, Bladder           |                                | [          | IDITY: NT                              |                   | 41-                                   | Alk mg/L                   |
| DEPTH TO WATER:  DEPTH TO BOTTOM:  | 1/ NF                   |                                |            | IDITY: None                            | other 'Slice      | Int Modern                            |                            |
| ODOR: None Other   | COLOF                   | R:                             |            | ATE (0.45 um)                          |                   |                                       | 200 1 1 4 5 1 4            |
| TURBIDITY: None  | Slight Modera           |                                | ODC        | R: None                                |                   |                                       |                            |
| COMMENTS:  |                         |                                | COL        |  |                   |                                       |                            |
| DISPOSAL METHOD: ☐ Gr  | ound ⊠ Drum □ O         | ther                           | COM        | MENTS:                                 |                   |                                       |                            |
| Rurge Rate Time (gal.or m./min)  | PH Turbidity (SU) (NTU) | ORP: Disso<br>Oxy<br>(mV) (100 | jen 💮      | Conductivity    Unitos/cm   Corrected) | mperature<br>(°C) | Water Level<br>(0)01:th)              | Comulative<br>Purge Volume |
|  |                         |                                |            |  |                   |                                       | Initial                    |
|  |                         |                                |            |  |                   |                                       |                            |
|  |                         |                                |            |  |                   | · · · · · · · · · · · · · · · · · · · |                            |
|  |                         |                                | NA.        |  |                   |                                       |                            |
|  |                         |                                | 1,         |  |                   |                                       |                            |
|  |                         |                                |            |  |                   |                                       |                            |
|  |                         |                                |            |  |                   |                                       |                            |
|  |                         |                                |            |  | <del></del>       | -                                     |                            |
| Stabilization complete when 3 In addition, Turbidity <10 NTU   | or 3 successive read    | lings +/- 10%                  |            | : pH +/- 0.1 SU; (                     | Cond +/- 20       | ) (TC); Temp +/                       | -5° C                      |
| Number Size T  | ype Preservative        | Filtered                       | Number     | Size                                   | Type              | Preservative                          | Filtered                   |
| 53 40 mL Gla   | ass E                   | □Y⊠N                           | 2          | 1999 mL                                | Glass             | 0                                     | DY BY                      |
| 1 40 mL Gla  | ISS A                   | BYBH                           | 2          | 1000 mL                                | Amber             | F                                     | □Y⊠N                       |
| 40 mL Gli  | 108 C                   | -BY BY                         | 2          | 1000 mL                                | Plastie-          | A                                     | DY 84                      |
| 120 ml Pta   | stie F                  | して図よ                           |            |  |                   |                                       | ,                          |
| CHAIN-OF-CUSTODY NUMBER:   |                         | E SHIPPED:                     |            | :1                                     | METHOD: _         | lab con<br>25/05                      | urier                      |



| PROJECT  | NAME   |                   | PREPARE                               | n                      |                   | CHECKED                 |  |                         | PROJECT NO.                                      |  |  |
|--|--|-------------------|---------------------------------------|------------------------|-------------------|-------------------------|--|-------------------------|--|--|--|
|  |  | <b>N</b> II       |                                       | 1-                     | 7                 |                         | Dete: 6  | 1 1 1                   |  |  |  |
| L.E. Carpe   | enter – Whart  | on, NJ            | By: JO                                | Date:                  | 7 25 03           | By: EBS                 | Date:  | 3/86                    | 6527.10  |  |  |
| SAMPLE   | NO.: SW  | -R-3              | WELL                                  | DIAMETER               | 2"                | □ 4" <b>15</b> 0 0      | Other NA   | <del> </del>            |  |  |  |
| WELL MA  | TERIAL:  | PVC S             | S 🔲 Iron [                            | ∑ Other                | MA                | ·                       | • •  |                         |  |  |  |
| SAMPLE .   | TYPE:  | ] gw [            | jww 1XXIsw                            | V □ DW                 | Lead              | hate 🔲 Othe             | er   |                         | · · · · · · · · · · · · · · · · · · ·            |  |  |
| to come my negot specimentalism                    | ing a trade-planting and a second linear con-  | ror 20            | 7                                     |                        |                   |                         | skality.   | - 475                   |  |  |  |
| · PÚ   | RGING  | TIME: _           | DA                                    | TE:                    |                   | SAMBLEA                 | TIME:  | 1740                    | DATE: 7/25/05                                    |  |  |
| WELL VO  |  |                   | s □ Liters                            |                        | H:                | SU                      | TEMP.  |                         | D.O. 110/L                                       |  |  |
|  | OLUME REM  |                   | Gallons                               | Liters                 | CONE              |                         |  | 1                       | TCO <sub>2</sub>                                 |  |  |
|  | : Dailer.  O WATER:  | TU                | ump, Bladder                          | <u> </u>               |                   | IDITY: NT               | K  | JA mv                   | <u>  Alk ma/L</u><br>DLOR:                       |  |  |
|  | O BOTTOM   |                   | 11/1                                  |                        |                   | IDITY: Non              | _  |                         | derate $\square$ Verv                            |  |  |
|  | Nøne □ 0   |                   | COLOR                                 |                        |                   | ATE (0.45 µm)           |  |                         |  |  |  |
| TURBIDIT   |  | ☐ Sliaht          |                                       |                        |                   | R: None F               |  |                         |  |  |  |
| <b>LEOMMEN</b>                                     | ITS:   |                   |                                       |                        | COL               | OR:                     | · -·· -· · · · · · · · · · · · · · · ·           |                         |  |  |  |
| DISPOSAL METHOD: ☐ Ground ☒ Drum ☐ Other COMMENTS: |  |                   |                                       |                        |                   |                         |  |                         |  |  |  |
| Land Land Date:                                    | - Aurge Rate   | (N) CATHATANA KAN |                                       | Dist                   | iolved :          | Sondbelivity i          | SP SPORT A                                       |                         | Cumulative                                       |  |  |
| Time   | _(gal·or<br>ml⊅min)  | (SU)              |                                       | Unr Hox                | ygen              | umhos/cm<br>(Corrected) | emperature<br>(°C)                               | Water Leve<br>(0:01 ft) | Purge Valume                                     |  |  |
| A Take Control (1997)                              | and the second of the second o |                   | 28 COS CONTO DE COSTO A SUB PARA      |                        |                   |                         |  |                         | Initial  |  |  |
|  |  |                   |                                       |                        |                   |                         |  |                         |  |  |  |
|  |  |                   |                                       |                        |                   |                         |  |                         |  |  |  |
|  |  | 4.                |                                       |                        |                   |                         |  |                         |  |  |  |
|  |  |                   |                                       |                        | MX                |                         | <del>-</del>                                     |                         |  |  |  |
|  |  |                   |                                       |                        | 1,                |                         | -  |                         | _  |  |  |
|  |  |                   |                                       |                        | -                 |                         |  |                         |  |  |  |
|  |  |                   |                                       |                        | <del>-</del> .    |                         |  |                         |  |  |  |
|  |  |                   |                                       |                        |                   |                         |  |                         | <del>                                     </del> |  |  |
|  |  |                   |                                       |                        | wing limits       | pH +/- 0.1 SU;          | Cond +/- 20                                      | (TC); Temp              | ) +/-5° C  |  |  |
| In addition,                                       | Turbidity <10  | NTU or 3 su       | ccessive readin                       | ngs +/- 10%            |                   | •                       |  |                         |  |  |  |
| <b>B</b> 01  | BIESIE!  |                   | PRESERVATI                            | VE CODES:              |                   |                         |  |                         |  |  |  |
| Number   | Size   | Туре              | A - None R -<br>Preservative          | HNO3 C - H<br>Filtered | SO4 D -<br>Number | NaOH F - HCI<br>Size    | F- Na <sub>2</sub> S <sub>2</sub> O <sub>2</sub> | Preservativ             | e Filtered                                       |  |  |
| \$3  | 40 mL  | Glass             | E                                     | □Y⊠N                   | 2                 | 1000 mL                 | Glass  | 0                       | DY Ø N   |  |  |
| 1  | 40 mL  | Glass             | A                                     | DY & H                 | 2                 | 1000 mL                 | Amber  | F                       | □Y⊠N   |  |  |
|  | 40 mL  | Glass             | \$                                    |                        | 2                 | 1000 mL                 | Plastic  | A                       | EX N   |  |  |
| <b>_</b>   | 120 mL   | Rlastic           | <b>F</b>                              | DX N                   |                   |                         |  |                         |  |  |  |
|  | <u> </u>   | 1                 | · · · · · · · · · · · · · · · · · · · |                        |                   | 1                       |  | L                       |  |  |  |
| CHAINLOELC   | LISTODY NILIN  | BEB. DOG          | 6862 DATE                             | CHIDDED.               | 710               | alas .                  | METHOD:  | lah a                   | ·~   |  |  |
| ON IAM TOP TO                                      | COLODI MOM   |                   |                                       | 1.5                    |                   |                         | -  | 1 1                     | courier  |  |  |
| AIRBILL NUM  | MBER:  | MA                | SIGNE                                 | ED: <u>-40</u>         | servoc            | role 1                  | DATE:  | 1/25/05                 | 5  |  |  |
|  |  |                   |                                       |                        |                   |                         |  | •                       |  |  |  |



|                                       | <del>-                                    </del> |                         |                     | •                 | · · · · · · · · · · · · · · · · · · ·       | <del></del>  |                       |
|---------------------------------------|--|-------------------------|---------------------|-------------------|---|--------------|-----------------------|
| PROJECT NAME                          | PREPAREI   |                         |                     | CHECKED           | ·   | F            | PROJECT NO.           |
| L.E. Carpenter - Wharton, NJ          | By: JO   | Date:7                  | 25/05               | By: EES           | Date: 8                                     | A18/65       | 6527.10               |
| SAMPLE NO.: SW-R-4                    | WELL   | DIAMETER:               | <u></u> 2"          | ☐ 4° <b>5</b> Д С | Other MA                                    |              |                       |
| WELL MATERIAL: PVC S                  | SS 🗆 Iron 🛭                                      | Other                   | M                   | <i>(</i> ,        |   |              |                       |
| SAMPLE TYPE: GW                       | ⊐ww K⁄Zsw≀                                       | DW DW                   | ☐ Leacl             | nate 🗌 Othe       | er e  |              |                       |
|                                       | 1  |                         |                     |                   |   | 55           | مدامدا د ــــ         |
| PURGING TIME:                         |  | t:                      |                     | YAWEILEAN         | TIME:                                       | 11           | DATE: 7 25 05         |
|                                       | ns 🗆 Liters                                      |                         | H:                  | SU                | TEMP.                                       |              | D.O. ma/L             |
| TOTAL VOLUME REMOVED:                 | Deallons  Pladder                                | Liters                  | COND                |                   |   |              | CO <sub>2</sub>       |
| METHOD: ☐ Bailer, ☐ F                 | ump. Bladder                                     | <u> </u>                | ODOR                | :                 |   | MA WA        | Alk ma/L<br>DLOR:     |
| DEPTH TO BOTTOM: T/                   | 141.   |                         |                     | DITY: Non         |   |              | derate                |
| ODOR: None Cother                     | COLOR:   |                         | FILTR               | ATE (0.45 µm)     | ☐ Yes 🏻                                     | No           |                       |
| TURBIDATY: None Sligh                 | t Moderate                                       | ☐ Verv                  | T                   | R: ☐ None ☐       | Other                                       |              | ·                     |
| COMMENTS:                             | M D  |                         | COLO                |                   | · · · · · ·                                 |              | ,                     |
| DISPOSAL METHOD:  Ground              | M Drum I I Oth                                   | er .                    | I COMIV             | IENTS:            | · · · · · ·                                 |              |                       |
| Rurge Rete                            |  | ORP Disection           |                     | oncuctivity       | emperature                                  | Water Leve   | Cumulative Cumulative |
| (SU)                                  | (UTCU)   | mV) (mg                 |                     | Corrected)        | (°C);                                       | - (O,O1/f) - |                       |
|                                       |  |                         |                     |                   |   |              | Initial               |
|                                       |  |                         |                     |                   |   |              |                       |
|                                       |  |                         |                     |                   |   |              |                       |
|                                       |  | سبيليس                  | N                   |                   |   |              |                       |
|                                       |  |                         | Di.                 |                   |   |              |                       |
|                                       |  | ·                       |                     |                   |   |              |                       |
|                                       |  |                         |                     | <u></u>           |   |              |                       |
|                                       |  | <u> </u>                |                     |                   |   | <u> </u>     |                       |
| Stabilization complete when 3 succe   |  |                         | ving limits:        | pH +/- 0.1 SU;    | Cond +/- 20                                 | (TC); Temp   | +/-5° C               |
| In addition, Turbidity <10 NTU or 3 s | uccessive readin                                 | gs +/- 10%              |                     |                   |   |              |                       |
| ELEOTELES FILLED                      | PRESERVATIV                                      |                         | 204 5 :             | 1-011 m ive:      | - 11 - 5                                    |              | <del> </del>          |
| Number Size Type                      | A - None R - Preservative                        | HNO3 C - Ha<br>Filtered | SO4 D - N<br>Number | Size              | F- Na <sub>2</sub> S-O <sub>2</sub><br>Type | Preservativ  | e Filtered            |
| \$3 40 mL Glass                       | E  | □Y⊠N                    | 2                   | 1000 mL           | Glass                                       | e            | DY BN                 |
| 40 mL Glass                           | A  |                         | 2                   | 1000 mL           | Amber                                       | F            | □Y⊠N                  |
| 40 ml Glass                           | 6  | DY BA                   | 2                   | 1000 mL           | Plastic                                     | A            | - OYEN                |
| 1 120 mL Plastic                      | F  | □Y ⊗ N                  |                     |                   |   |              |                       |
|                                       |  |                         |                     | <u> </u>          | li  | <u> </u>     | 1                     |
| CHAIN-OF-CUSTODY NUMBER:              | 16862DATE  | SHIPPED:                | 7/24                | 105               | METHOD: _                                   | lab co       | runier                |
| AIRBILL NUMBER:                       | SIGNE  | <b>\(\sigma\)</b>       | enno                |                   | DATE: 7                                     | 120/20       |                       |
| ULIDET IANKOEU                        | SIGNE  |                         |                     | <u>~~</u> '       | UNIE:                                       | 163 102      |                       |



|  |                         |  |  |                                       |                                      | OUEO/CED        | ·   |                     | NEOT NO                               |  |
|--|-------------------------|--|--|---------------------------------------|--------------------------------------|-----------------|---|---------------------|---------------------------------------|--|
| PROJECT  |                         |  | PREPARE  |                                       | <del>, , , , ,</del>                 | CHECKED         |   | 11                  | DJECT NO.                             |  |
| L.E. Carpe   | nter – Wharto           | on, NJ   | By: JO   | Date:                                 | 126/05                               | By: <b>EES</b>  | Date:   | 3/18/05             | 6527.10                               |  |
| SAMPLE   | 10.: SW-                | D-1  | WELL   | DIAMÉTER:                             | □ 2"                                 | □ 4" <b>□</b> 4 | Other NA  |                     |                                       |  |
|  |                         |  | S Iron   |                                       | NA                                   | 7               |   | •                   |                                       |  |
| SAMPLE 1   |                         | ٠.   | <br>]ww [X]sw                                    | (                                     | Leach                                | ate             | er  |                     | · · · · · · · · · · · · · · · · · · · |  |
|  |                         |  |  | · · · · · · · · · · · · · · · · · · · | Internation (seconds) are            |                 | AND THE RESERVE OF THE PERSON | K                   |                                       |  |
| PU   | aginig :                | TIME: _  | DA1  | TE:                                   |                                      | AMPLE           | TIME:   | 126 05 DA           | ATE: 715                              |  |
| WELL VO  | LUME:                   | ☐ Gallons  | s □ Liters                                       | /                                     | :Hq                                  | SU              | ТЕМР.   | -c p.c              | ma/L                                  |  |
| -  | DLUME REMO              |  | ☐ Gallens  | Liters                                | COND.                                |                 |   |                     | CO <sub>2</sub>                       |  |
|  | Bailer.                 |  | imp Bladder                                      |                                       |                                      | DITY: N         |   | MY mV COLO          | Alk ma/L                              |  |
| DEPTH TO   | D WATER: D BOTTOM:      |  | 7/1/   |                                       |                                      | DITY: No        |   | int $\square$ Moder |                                       |  |
|  | None 17 O               |  | COLOR  |                                       |                                      | ATE (0.45 um)   |   |                     |                                       |  |
| TURBIEN  |                         |  |  |                                       |                                      |                 |   |                     |                                       |  |
| COMMEN   |                         |  |  |                                       | COLC                                 |                 | <del>.</del>  | •                   |                                       |  |
| DISPOSAL METHOD: ☐ Ground ☑ Drum ☐ Other COMMENTS: |                         |  |  |                                       |                                      |                 |   |                     |                                       |  |
| A Company des                                      | Rurge Rate              | Hq•  | Turbidity  |                                       |                                      | onductivity     | Temperature   | Water Level         | Gumulative<br>Pürge Volume            |  |
| Time   | ii(gal or<br>mi2/min) ⊊ | (ຮູບ)  |  |                                       | the street of the Line of the street | Corrected)      | (PC)  | (0.01.0)            |                                       |  |
|  |                         |  |  |                                       |                                      | ·               |   |                     | Initial                               |  |
|  |                         |  | <u> </u>   |                                       |                                      |                 |   |                     |                                       |  |
|  |                         | <del>                                     </del> | +  |                                       |                                      |                 |   |                     |                                       |  |
|  |                         |  |  |                                       | 20                                   |                 |   |                     |                                       |  |
|  |                         |  |  |                                       | NE                                   |                 |   |                     |                                       |  |
|  |                         |  | <del>                                     </del> |                                       | -                                    | -               |   |                     | ·                                     |  |
|  |                         |  |  |                                       |                                      |                 |   |                     |                                       |  |
|  |                         | <u> </u>   |  |                                       |                                      |                 |   |                     | · · · · · · · · · · · · · · · · · · · |  |
|  |                         |  | ssive readings                                   |                                       | wing limits:                         | pH +/- 0.1 SU   | ; Cond +/- 20   | (TC); Temp +        | /-5° C                                |  |
| in addition,                                       | Turbidity <10           | NTU or 3 su                                      | ccessive readir                                  | ngs +/- 10%                           |                                      |                 |   |                     |                                       |  |
| ВОТ  | ni este il              | LED  | PRESERVATI                                       | VE CODES:                             |                                      |                 |   |                     |                                       |  |
| Number   | Size                    | Туре   | A - None R -<br>Preservative                     | - HNO3 C - H<br>Filtered              | -SO4 D - N<br>Number                 | Size            | F- Na <sub>2</sub> S <sub>2</sub> O <sub>2</sub><br>Type  | Preservative*       | Filtered                              |  |
| <b>\$3</b>   | 40 mL                   | Glass  | E  | □Y⊠N                                  | 2                                    | 1000 mL         | Glass   | C                   | BYBH                                  |  |
| -  | 40 mL                   | Glass  | A-   | DYMN                                  | 2                                    | 1000 mL         | Amber   | F                   | □Y⊠N                                  |  |
|  | 40 mL                   | Glass  | C  | DY MN                                 | 2                                    | 1000 mL         | Plastic   | ·                   |                                       |  |
|  |                         |  | F  |                                       | -                                    | 100010          | lastre  |                     | 14                                    |  |
|  | 120 mL                  | Plastic  |  | DY BY                                 |                                      |                 |   |                     | <u> L</u>                             |  |
|  |                         | <b></b>  |  |                                       | -1                                   | سما             |   | \$ . <b>\</b> -     | • -                                   |  |
| CHAIN-OF-C   | USTODY NUM              | BER: 009   | 6862 DATE  |                                       |                                      |                 | METHOD: _   | \00 co              | runier<br>los                         |  |
| AIRBILL NUN  | /BER:                   | M  | SIGNI  | ED:                                   | <u>onial</u> C                       | orde_           | DATE:   | 7/26                | 05                                    |  |
|  |                         |  |  |                                       |                                      |                 |   | - 1                 | •                                     |  |



| PROJECT       | NAME                                  |                   | PREPARE            | <del></del>              |                                     | CHECKED                  |                | PR            | OJECT NO        |
|---------------|---------------------------------------|-------------------|--------------------|--------------------------|-------------------------------------|--------------------------|----------------|---------------|-----------------|
| L.E. Carpe    | nter – Whart                          | on, NJ            | By: JO             | Date:                    | 26/05                               | Ву:                      | Date:          |               | 6527.10         |
|               | اما ۾                                 | - D-2             | 14171              |                          |                                     | [ ] All = [ ]            | W/w            |               |                 |
| SAMPLE N      |                                       |                   |                    | L DIAMETER:              |                                     | 4"   图 (                 | Jiner 17/17    | ,             |                 |
| •             | TERIAL:                               | _                 |                    | <b>⊠</b> Other<br>V □ DW | NA Leac                             | hate 🔲 Oth               |                |               |                 |
| SAMPLE 1      | IYPE: L                               | ] GW [            | ⊒ww yZsı           | V DVV                    | Leac                                | mate 🗀 Oth               | e.             |               | •               |
| . PUI         | Reine :-                              | TIME:             | DA                 | TE:                      |                                     | SAWRES A                 | TIME:          | 720           | ATE: 7/24       |
| WELL VO       | LUME:                                 | ☐ Gallor          | s \ \ \ \ Litera   |                          | pH:                                 | SU                       | TEMP.          | <u>°C   D</u> | <u>O</u>        |
|               | DLUME REMO                            |                   | Gallons            | Liters                   | CONE                                |                          |                |               | CO <sub>2</sub> |
|               | Bailer.                               | T/                | ump, Bladder       |                          |                                     | IDITY: NT                |                | NA mV COL     | Alk me          |
|               | O WATER:                              | T/                | NH                 |                          |                                     | IDITY: No                |                |               |                 |
|               | None □ O                              |                   | COLOF              | :                        |                                     | ATE (0.45 um)            |                |               |                 |
| TURBIOIT      |                                       | □ Sliah           | t ☐ Moderat        | e 🗆 Verv                 |                                     | R: None [                |                |               |                 |
| <u>EOMMEN</u> |                                       |                   |                    |                          | COL                                 |                          | <del></del>    |               |                 |
| DISPOSA       | L METHOD:                             | Ground            | ☑ Drum ☐ Ot        | her                      | COM                                 | MENTS:                   | <del></del>    | <del></del>   | <del></del>     |
|               | Ruige Rate                            | ) pH=             | Turbidity          |                          |                                     | onductivity<br>jumpos/cm | emperature :   | Water Level   | Comulativ       |
| Time          | (gal or<br>mi∐min)                    | , ( <b>(\$U</b> ) | (NTU)              |                          | the company of the said the said of | Фонео(e•). <del>-</del>  | : ( <b>?C)</b> | (0.01.41)     | Purge Will      |
|               |                                       |                   |                    |                          |                                     |                          |                |               | Initial         |
|               |                                       |                   |                    |                          |                                     |                          |                |               |                 |
|               |                                       | -                 |                    |                          |                                     |                          |                |               |                 |
|               | · · · · · · · · · · · · · · · · · · · |                   |                    |                          | _                                   | ,                        |                |               |                 |
|               |                                       |                   |                    |                          | M                                   |                          |                |               |                 |
|               |                                       |                   |                    |                          | 1                                   |                          |                |               |                 |
|               |                                       | 1                 |                    |                          |                                     |                          |                |               |                 |
|               |                                       |                   |                    |                          |                                     |                          |                |               |                 |
| ahilization   | complete wh                           | nen 3 succe       | essive readings    | w/in the follow          | wing limits                         | · nH -/- 0.1 SU          | Cond 4/- 20    | (TC): Temp    | /-5° C          |
|               |                                       |                   | uccessive readi    |                          | 9                                   | . p                      | , 00114 17 21  | 5 (10), 10mp  | 7-0             |
| PAT           | Tees el                               | i en              | PRESERVAT          | IVE CODES:               | ·                                   | <del></del>              |                |               |                 |
|               |                                       |                   | A - None B         | HNO3 C-H                 |                                     | NaOH F-HCI               | F- Na-S-O-     | D             |                 |
| Number        | Size                                  | Туре              | Preservative       | Filtered                 | Number                              | Size                     | Туре           | Preservative  | Filtere         |
| 53            | 40 mL                                 | Glass             | E                  | □Y⊠N                     | 2                                   | 1 <del>000 mL</del>      | Glass          | C             |                 |
|               | 40 ml                                 | Glass             | *                  |                          | 2                                   | 1000 mL                  | Amber          | F             |                 |
|               | 40 mL                                 | Glass             | 6                  | BY MY                    | 2                                   | 1000 mL                  | Plastic        | A             | DY B            |
|               | 120.mL                                | Plastic           | F                  | BY BW                    |                                     |                          |                |               |                 |
|               | 1                                     | L                 | l                  | 1                        | I                                   | <u>.L</u>                | 1              | <u> </u>      |                 |
|               |                                       | _                 |                    |                          | 1                                   | ·                        |                |               |                 |
| IAIN-OF-CI    | USTODY NUM                            | BER: OO           | <u>1686</u> 2 date | SHIPPED:                 | 7/20                                | 605                      | METHOD:        | lab co        | noinus          |



|  | <del> </del>                                       |  | 1                                |                | T            |   |  |                                       |                            |  |  |  |
|--|--|--|----------------------------------|----------------|--------------|---|--|---------------------------------------|----------------------------|--|--|--|
| PROJECT  | NAME   |  | PREPARE                          |                | <del></del>  | CHECKED   | 1  |                                       | PROJECT NO.                |  |  |  |
| L.E. Carpe   | enter – Whart                                      | on, NJ   | By: JO                           | Date:          | 72405        | Ву:   | Date:  |                                       | 6527.10                    |  |  |  |
| SAMPLE!  | 10.: SW-   | -D-3   | WELL                             | DIAMETER:      | 2"           | □ 4" <b>X</b> ) C   | ther NA  |                                       | <del>,</del>               |  |  |  |
|  | TERIAL:  |  | ☐ Iron                           | ☑ Other        | NA           |   |  |                                       |                            |  |  |  |
| SAMPLE   | TYPE:  | ]gw □  | ww 💢 sw                          | , □ DW         | Leach        |   | er   | <del></del>                           |                            |  |  |  |
| ericean (ISA) e una tipola   |  | Dago:  |                                  | ······         |              |   |  | - 05                                  | 1                          |  |  |  |
| PU   | RGING  | TIME: _  | DAT                              | TE:            | 3/18         | Y.M.B.FERM  | TIME:  | 735                                   | DATE: 7/26/05              |  |  |  |
| WELL VO  |  | •  | ☐ Liters                         |                | pH:          |   | TEMP.  |                                       | D.O. ma/L                  |  |  |  |
|  | OLUME REM  |  | Gallons                          | Liters         | COND.        |   |  |                                       | CO <sub>2</sub>            |  |  |  |
|  | ☐ Bailer.<br>D WATER:                              |  | mp, Bladder                      |                | ODOR:        | : Nene 11 C   |  | 71                                    | <u>  Alkma/L_</u><br>OLOR: |  |  |  |
|  | о воттом:  | T/   | 011                              |                |              | DITY: Non   |  |                                       | derate   Verv              |  |  |  |
|  | ] None □ O   |  | COLOR:                           | -              | - i          | ATE (0.45 um)   |  | No                                    |                            |  |  |  |
| TURBIDIT   |  | ☐ Slight   | ☐ Moderate                       | e □ Verv       | ODOF         | R: None C   | Other  |                                       |                            |  |  |  |
| DISPOSA  |  | ☐ Ground 区   | Drum   Oth                       | ner            |              |   |  | <del>-:</del>                         |                            |  |  |  |
| The service of the se | DISPOSAL METHOD: ☐ Ground ☑ Drum ☐ Other COMMENTS: |  |                                  |                |              |   |  |                                       |                            |  |  |  |
| Time   | , Purge Rate<br>(gal or<br>mL/min)                 | pH<br>(SU)   |                                  | OHP P Ox       | /gen μ       |   | emperature<br>(°C)                               | Water Leve                            | Gumulative<br>Purge Volume |  |  |  |
| A Color Constitution   |  | to East of the State of the Sta |                                  |                |              | NOTH BUILD IN THE PARTY IN THE |  |                                       | Initial                    |  |  |  |
|  |  |  |                                  |                |              |   |  |                                       |                            |  |  |  |
|  |  |  |                                  |                |              |   |  |                                       |                            |  |  |  |
|  |  |  |                                  |                | . 1          |   |  | <del></del>                           |                            |  |  |  |
|  |  |  |                                  |                | NH           |   |  |                                       |                            |  |  |  |
|  | <del></del>  |  |                                  |                | · .          |   |  |                                       |                            |  |  |  |
|  |  | 1  |                                  |                |              |   |  |                                       |                            |  |  |  |
|  |  | <u> </u>   |                                  |                |              | <del>- · · · · · · · · · · · · · · · · · · ·</del>  |  | · · · · · · · · · · · · · · · · · · · | <u> </u>                   |  |  |  |
|  |  |  | sive readings<br>ecessive readin |                | wing limits: | pH +/- 0.1 SU;  | Cond +/- 20                                      | (TC); Tem                             | p +/-5° C                  |  |  |  |
| in addition,   | Turbially < 10                                     | NIU or 3 suc   | cessive readin                   | lgs +/- 10%    |              |   |  |                                       |                            |  |  |  |
| ВОТ  | TLES FIL   | LED .  | PRESERVATION A - None R -        | VE CODES:      | -SO4 D.N     | IaOH F - HCI  | F- Na <sub>2</sub> S <sub>2</sub> O <sub>2</sub> | -                                     |                            |  |  |  |
| Number   | Size   | Туре   | Preservative                     | Filtered       | Number       | Size  | Type   | Preservati                            | ve Filtered                |  |  |  |
| <b>\$3</b>   | 40 mL  | Glass  | E                                | □Y⊠N           | 2            | 1000 mL   | -Glass   | 6                                     |                            |  |  |  |
| 1  | 40 mL  | Glass  | A                                | DYNA           | 2            | 1000 mL   | Amber  | F                                     | □Y⊠N                       |  |  |  |
| 1  | 40 mL  | Glase  | C                                | <u>□Y 8 17</u> | 2            | 1000 mL   | Plastic  | A                                     | DY N                       |  |  |  |
| 1  | 120 mL   | Plastic  | F                                | DA 84          |              |   |  |                                       |                            |  |  |  |
|  |  |  |                                  |                |              |   |  |                                       |                            |  |  |  |
| CHAIN-OF-C   | USTODY NUM   | BER: <u>009</u>  | 6862DATE                         | SHIPPED: _     | 7/2          | 6/05 A  | METHOD: _  | lab                                   | counier                    |  |  |  |
| AIRBILL NUM  | MBER:  | NA   | SIGNE                            | ED: 4          | Drem         | abroo   | DATE:  | z\=                                   | counter<br>zulos           |  |  |  |
| REV 07/02  | - <del></del>                                      |  | -                                |                |              |   | <del></del>                                      |                                       |                            |  |  |  |



| .E. Carpenter – Wharton, NJ | By: JO                                 | Date: 7   | 605                        | D. ii                  |            |  |                            |
|-----------------------------|--|---|----------------------------|------------------------|------------|--|----------------------------|
| AMBLE NO : MW-19-11         |  | •   |                            | By:                    | Date:      |  | 6527.10                    |
|                             | WELLIN                                 | AMETER:   | ₩ 2°                       | ☐ 4° ☐                 | Other      |  | ·                          |
| VELL MATERIAL: PVC SS       |  | Other   | <b>W</b> -                 |                        |            |  | •                          |
| <del></del>                 | ww 🗆 sw                                |   | Lead                       | hate                   | ier        | <del></del>                              |                            |
|                             | 5 12                                   |   | lysis army temps.          |                        |            | - AF: "T                                 |                            |
| PURGING TIME:               | T" DATE:                               | 72605   |                            | SANTELLE T             | TIME: _    | Das                                      | DATE: 7/20/0               |
| VELL VOLUME: 473   Gallons  | Liters                                 |   | pH:                        | 7.72 SU                | TEMP, 16.4 | •3 °c ∫                                  | D.O. 1.0 ma/L              |
| TOTAL VOLUME REMOVED: 20.2  |  | Liters  | CON                        | ). <b>[155</b> µmhos/c | m Ferr. Fe | ma/L                                     | CO2 12.5                   |
|                             | mp, Bladder                            |   | TURE                       | IDITY: 77 N            | TU ORP 2   | <u>න</u> mv                              | Alk 80 mg/L                |
| DEPTH TO WATER: 8.10 T/OC   |  |   | ODO                        | R: 🛛 None 🗌            | Other      | c  | OLOR: clear w              |
| DEPTH TO BOTTOM: 15.79T/OC  | + 0.1                                  |   | TURE                       | IDITY: No              | ne 🗆 Sliat | t X Mo                                   | derate                     |
| DDOR: 📈 None 🗀 Other        | COLOR:                                 | nwa   | FILTE                      | RATE (0.45 um          | ) ☐ Yes    | No                                       |                            |
| TURBIDITY: None Slight      | ☐ Moderate                             | X Verv  | ODC                        | R: None                | Other      |  |                            |
| COMMENTS:                   |  |   | COL                        | OR:                    | ·          |  |                            |
| DISPOSAL METHOD:   Ground   | Drum ☐ Other                           |   | СОМ                        | MENTS:                 |            |  |                            |
|                             | ma, masse, as a second side section in | 2000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1000年<br>1 | THE PERSON NAMED IN        |                        |            | en e |                            |
| Rurge Rate pH.              | Turbleby ORI                           |   | Are a server at the server | Conductivity umhos/cm  |            | Water Leve                               | Gumulative<br>Purge Wolume |
| milmin) (SU)                | (NTU) : (mV                            | / (mg/1   |                            | (Corrected)            | (°C)       | (0.01#)<br>2 IN                          | (c)                        |

| Time | Rurge Rate<br>(gal or<br>mL/min) | #BH<br>(80) | Turbidity<br>(NTLU) | ORP<br>(mV) | Dissolved<br>Oxygen<br>(mg/L) | Cenductivity  µmhos/cm  (Corrected) | Temperature<br>(°C) | Water Level.<br>(0:01 ft) | Gumulative<br>Purge Volume<br>(L) |
|------|----------------------------------|-------------|---------------------|-------------|-------------------------------|-------------------------------------|---------------------|---------------------------|-----------------------------------|
| 91   | 450                              | 7.71        | 1000+               | 249         | 1.0                           | 1265                                | 16.72               | 8.10                      | Initial                           |
| 926  |                                  | 7.76        | 258                 | 232         | 1.0                           | 1227                                | 16.51               | 8.10                      | 2.25                              |
| 931  | 7                                | 7.79        | 190                 | 222         | 1.0                           | 1195                                | 16.61               | 8.0                       | 4.5                               |
| 936  |                                  | 7.71        | 172                 | 220         | 1.0                           | 1187                                | 16.55               | 8.10                      | 6.75                              |
| 991  |                                  | 7.72        | 154                 | 218         | 1.0                           | 1173                                | 16.63               | 8.10                      | 9.0                               |
| 944  |                                  | 7.72        | 141                 | 216         | 1.0                           | 1170                                | 16.60               | 8.10                      | 11.25                             |
| 951  | ·                                | 7.74        | 137                 | 215         | 1.0                           | 1162                                | 16.56               | 8.10                      | 13.5                              |
| 9%   | 1                                | 7.73        | 110                 | 213         | (.0                           | 1145                                | 16.64               | 8.10                      | 15.75                             |
| 1801 |                                  | 7.70        | 103                 | 211         | 1.0                           | 1153                                | 16.62               | 8.10                      | 18.0                              |
| 1000 | V                                | 7.72        | 767                 | 209         | 1.0                           | 1155                                | 16.43               | 8.10                      | 20.25                             |

Stabilization complete when <u>3 successive readings</u> w/in the following limits: pH +/- 0.1 SU; Cond +/- 20 (TC); Temp +/-5° C in addition, Turbidity <10 NTU or 3 successive readings +/- 10%

| B01    | TEESTEL | BED .   | PRESERVATI   | VE CODES:<br>- HNO3 C - H | -SO4 D∙N | aOH F-HCI | F- Na <sub>2</sub> S <sub>2</sub> O <sub>2</sub> |              |          |
|--------|---------|---------|--------------|---------------------------|----------|-----------|--|--------------|----------|
| Number | Size    | Туре    | Preservative | Filtered                  | Number   | Size      | Туре   | Preservative | Filtered |
| 5      | 40 mL   | Glass   | Е            | □Y⊠N                      | 2        | 1000 mL   | Glass  | С            | □Y⊠N     |
| 1      | 40 mL   | Glass   | Α            | □Y⊠N                      | 2        | 1000 mL   | Amber  | F            | □Y⊠N     |
| 1      | 40 mL   | Glass   | С            | □Y⊠N                      | 2        | 1000 mL   | Plastic  | Α            | □Y⊠N     |
| 1      | 120 mL  | Plastic | F            | □Y⊠N                      |          |           |  |              |          |

| CHAIN-OF-CUSTODY | Y NUMBER: 0096 | DATE SHIPPED: | 7/24/05    | METHOD: | Fed Ex  |  |
|------------------|----------------|---------------|------------|---------|---------|--|
| AIRBILL NUMBER:  | NA             | signed:       | Orenvoirae | DATE:   | 7/26/05 |  |



| PROJECT NAME   | PREPAI       | RED                    |                              | CHE  | CKED                         | •                                 |  | PROJECT NO.  |  |  |
|--|--------------|------------------------|------------------------------|--|------------------------------|-----------------------------------|--|--|--|--|
| L.E. Carpenter - Wharton, NJ   | By: JO       | כ                      | Date: 7/26/                  | By:  | EES                          | Date:                             | 18 05  | 6527.10  |  |  |
| SAMPLE NO.: MW-19-10 WELL MATERIAL: PVC X  | WE           | ELL DIAME              | TER: 🔀                       | 2" 🔲   | 4" □ C                       | Other                             |  | • .  |  |  |
| SAMPLE TYPE: 🔀 GW  | □ww □        | sw 🗆                   | DW 🔲 L                       | eachate.   | ☐ Othe                       | r                                 |  |  |  |  |
| PURGING TIME   | 1148 C       | DATE: 7)7              | 6/05                         | #KSAW  |                              | TIME:                             | Z28  | DATE: 7 260  |  |  |
| WELL VOLUME: 7.90 Galk   |              |                        | <u>-la</u>                   |  |                              | TEMP. 16                          |  | D.O. 1.0 ma/L  |  |  |
|  | C Gallor     | •                      |                              |  |                              | Ferr. Fe                          | _  | co <sub>2</sub>  3   |  |  |
|  | Pump, Bladde | <u> </u>               |                              | JRBIDITY   |                              |                                   | 212 mV   |  |  |  |
| DEPTH TO WATER: 7.55T/00   |              | <del></del>            |                              | ODOR: None ☐ Other COLOR: Clear  TURBIDITY: ☐ None ☐ Slight ☐ Moderate ☐ Ver |                              |                                   |  |  |  |  |
| DEPTH TO BOTTOM: 20.10 T/<br>ODOR: 12 None 1 Other   |              | DR: H +                |                              |  |                              | Yes 🕅                             |  | oderate i i Verv   |  |  |
| TURBIDITY: None X Slig   |              |                        |                              | DOR:   |                              |                                   | NO   |  |  |  |
| COMMENTS:  | III I HIOGEI | ale     V              |                              | COLOR:   | I NOHE I                     | Outer                             |  |  |  |  |
| DISPOSAL METHOD: Ground  | ⊠ Drum □     | Other                  |                              | OMMENT:  | s: D                         | up-01                             | <del> </del>   |  |  |  |
| Observation was sent to be a sent of the s |              | o they come come and a | o no de pomio de appose de s | A market and permitted   | Ziran zapowa posa            | manifest and the old St. section. | THE RESERVE OF THE STATE OF THE | and the course of the course o |  |  |
| #Rurge Hate + pH<br>Time (gallor (SU)  | Turbidity.   | ORP (mV)               | Dissolved<br>Oxygen          | Conduc<br>µmhos  | and an extension of the same | emperature<br>(PC)                | WaterLeve  | Cumulative<br>Purge Volume   |  |  |
|  |              |                        | (mg/L)                       | (Correc  |                              |                                   | 1. 米克克拉里多的名词   | :d= -/:40)   |  |  |
| 1148 250 7.7   | - AA         | 218                    | 1.0                          | 103  |                              | 17.31                             | 7.55   |  |  |  |
| 1153 7.66  |              | 216                    | 1.0                          | 101  | 93                           | 16.41                             | 7.55   |  |  |  |
| 1203 7.7   | -            | 216                    | 1.0                          |  | 93                           | 16.30                             | 7.70   |  |  |  |
| 1208 7.6   |              | 216                    | 1.0                          | 1  | 10                           | 16.27                             | 7.70   |  |  |  |
| 1213 7.4   | = -          | 215                    | 1.0                          | +  | 33                           | 16.23                             | 7.72   |  |  |  |
| 218 7.9  |              | 215                    | 1.0                          |  | 39                           | 16.30                             | 7.72   |  |  |  |
| 1223 7.5   | B 21         | 213                    | 1.0                          | <del></del>  | B0                           | 16.83                             | 7.80   | 8-75   |  |  |
| 228 V 7.4  |              | 212                    | 1.0                          | 11   | 48                           | 16-47                             | 7-80   | 10   |  |  |
|  |              |                        | -                            |  |                              |                                   |  |  |  |  |

| B0     | TTES TIL | LED'.   |              | PRESERVATIVE CODES: A - None B - HNO3 C - H-SO4 D - NaOH F - HCl F- Na-S-O2 |        |         |         |              |          |  |  |  |
|--------|----------|---------|--------------|---|--------|---------|---------|--------------|----------|--|--|--|
| Number | Size     | Туре    | Preservative | Filtered  | Number | Size    | Туре    | Preservative | Filtered |  |  |  |
| 5      | 40 mL    | Glass   | E            | □Y⊠N  | 2      | 1000 mL | Glass   | С            | □Y⊠N     |  |  |  |
| 1      | 40 mL    | Glass   | Α            | □Y⊠N  | 2      | 1000 mL | Amber   | F            | □Y⊠N     |  |  |  |
| 1      | 40 mL    | Glass   | С            | □Y⊠N  | 2      | 1000 mL | Plastic | Α            | □Y⊠N     |  |  |  |
| 1      | 120 mL   | Plastic | F            | □Y⊠N  |        |         |         |              |          |  |  |  |

| CHAIN-OF-CUSTOD | Y NUMBER: 0096860 | DATE SHIF | PPED: 7/26/05 | METHOD: | Fed Ex  |
|-----------------|-------------------|-----------|---------------|---------|---------|
| AIRBILL NUMBER: | MA                | SIGNED:   | Drenoorde     | DATE:   | 7/26/05 |



|  | WAIL            | R SAI          | /IPLE LC            | )G           |              | •                          |
|--|-----------------|----------------|---------------------|--------------|--------------|----------------------------|
| PROJECT NAME   | PREPARED        |                | CHECKE              | D            | P            | ROJECT NO.                 |
| L.E. Carpenter – Wharton, NJ   | By: JO          | Date: 7        | 24 05 By: BES       | Date:        | 8186         | 6527.10                    |
| SAMPLE NO.: MW-19-6<br>WELL MATERIAL: PVC 125-3<br>SAMPLE TYPE: 127 GW [ |                 | IAMETER: Other | [X 2"               | Other        |              |                            |
| PURGING TIME:  | 1427 DATE:      | 726/05         |                     | TIME:        | 1502         | DATE: 7/26/0               |
| WELL VOLUME: 4.13   Gallor   | s 🔀 Liters      |                |                     |              | 5.20°C [     | 0.0. 1. O <sub>ma/L</sub>  |
| TOTAL VOLUME REMOVED: 5.   | 75□ Gallons N   | Liters         | COND.303Pumh        |              | 9 . 4 ma/L   | CO <sub>2</sub> 80         |
|  | ump, Bladder    |                | TURBIDITY: 36       |              |              | Alk 70 ma/L                |
| DEPTH TO WATER: 9.80 T/OC  |                 |                | ODOR: None          |              |              | LOR: CIT W                 |
| DEPTH TO BOTTOM: 19.63 T/O   | 1 '             | <u> </u>       | TURBIDITY:          |              |              | ierate 🗌 Verv              |
| ODOR: None Other   | COLOR:          |                | FILTRATE (0.45      |              | No           |                            |
| TURBIDITY: None Sligh  | t 🔀 Moderate    | I I Verv       | ODOR: No            | ne     Other |              |                            |
| COMMENTS:  | <u> </u>        |                | COLOR:<br>COMMENTS: | Atm -01      | at 1515      |                            |
| DISPOSAL METHOD: ☐ Ground  | X Drum   TOther |                | COMMENTS:           | Palest - Of  | <i>(</i> (1) |                            |
| Rurge Rate PH  | EntolehyQF      |                |                     | semperature. | Water Level  | Gumulative<br>Purge Valume |
|  |                 | (mg/l          | 2) (Corrected)      | 1 (C).       | (0.01.ft)    | <b>(4)</b>                 |
| 1427 450 7.36  |                 |                |                     | 16.64        | 9.86         | Initial                    |
| 1432 7.27  |                 | <del></del>    |                     | 15.14        | 9.80         | 2.25                       |
| 1437 7.30  |                 | 57 0.5         | <del></del>         | 15.51        | 9.80         | 4.5                        |
| 1442 7.29  |                 | 0.9            |                     |              | 9.75         | 6.75                       |
| 1947 7.24  |                 | 88 1.0         |                     |              | 9.70         | 9.0                        |
| 1452 7.30  |                 | 30   1.E       |                     |              | 9.70         | 13.5                       |

Stabilization complete when 3 successive readings w/in the following limits: pH +/- 0.1 SU; Cond +/- 20 (TC); Temp +/-5° C In addition, Turbidity <10 NTU or 3 successive readings +/- 10%

36

| B0     | relestel | LED     | PRESERVATII  |          | -SO4 D-N | aOHF - HCI | F- Na <sub>2</sub> S <sub>2</sub> O <sub>2</sub> |              | _        |
|--------|----------|---------|--------------|----------|----------|------------|--|--------------|----------|
| Number | Size     | Туре    | Preservative | Filtered | Number   | Size       | Туре   | Preservative | Filtered |
| 5      | 40 mL    | Glass   | E            | □Y⊠N     | 2        | 1000 mL    | Glass  | С            | □Y⊠N     |
| 1      | 40 mL    | Glass   | Α            | □Y⊠N     | 2        | 1000 mL    | Amber  | F            | □Y⊠N     |
| 1      | 40 mL    | Glass   | С            | □Y⊠N     | 2        | 1000 mL    | Plastic  | Α            | □Y⊠N     |
| 1      | 120 mL   | Plastic | F            | □Y⊠N     |          |            |  |              |          |

3030

15.20

| CHAIN-OF-CUSTODY | NUMBER: 0096860 | DATE SHI | PPED: 7/26/05 | METHOD: | Fed Ex  |  |
|------------------|-----------------|----------|---------------|---------|---------|--|
| AIRBILL NUMBER:  | M               | SIGNED:  | Alremonde     | DATE: _ | 7/24/05 |  |

1500

PROJECT NO.



PROJECT NAME

### **WATER SAMPLE LOG**

CHECKED

PREPARED

| L.E. Carpe   | nter – Wharto                    | n, NJ        | By: JO       | Date:  | 7/24/05                               | ву:                     | Date:                       | 3186                      | 6527.10  |  |  |
|--|----------------------------------|--------------|--------------|--|---------------------------------------|-------------------------|-----------------------------|---------------------------|--|--|--|
| SAMPLE   | 10.: MW-19                       | 7-2          | WEI          | LL DIAMETER  | :                                     | <b>□</b> 4" □           | <br>] Other                 |                           |  |  |  |
|  | TERIAL: P                        |              | S 🔲 Iron     | ☐ Other  |                                       | •                       |                             |                           |  |  |  |
| SAMPLE T   | YPE: 🗖                           | gw '⊑        | ]ww □s       | w 🔲 DW   | Lead                                  | hate 🔲 O                | ther                        |                           |  |  |  |
| ede i seria per policia telebri.   | Constitution Joyal (1947)        | 044          |              | 1.1  |                                       |                         |                             | ** =0                     |  |  |  |
| - Puf  | GING.                            | TIME: _      | 533 D/       | ATE: 726   | 05                                    | SAMBUE                  | TIME:                       | 1620                      | DATE: 7/26/0                                     |  |  |
| WELL VOI   | UME: 13.6                        | ☐ Gallons    | Liters       |  |                                       | 7.59 SU                 |                             | .87 <sub>°C</sub> [       | 0.0. 60 ma/L                                     |  |  |
| ,  | LUME REMO                        |              |              |  |                                       | . 1980 umhos            |                             |                           | CO2 10 ppm                                       |  |  |
|  | Bailer.                          |              | ımp, Bladder |  |                                       | IDITY: 3                |                             | 204 mV                    | Alk /00 mg/L                                     |  |  |
| DEPTH TO   | WATER: 10<br>BOTTOM: 1           | 593 T/DC     | +0.1         |  |                                       | R: 🕅 None 「             |                             | iht                       | DLOR: Clear                                      |  |  |
| 3  | None ☐ Ot                        |              |              | R: elr   |                                       |                         | m) ∏ Yes ⊠                  |                           | ielate     VelV                                  |  |  |
| F  | Y: □None                         |              | ☐ Modera     |  |                                       | R: None                 |                             |                           |  |  |  |
| COMMEN   |                                  |              |              |  | COL                                   |                         |                             |                           |  |  |  |
| DISPOSAL   | METHOD: [                        | ☐ Ground D   | ☑ Drum ☐ C   | other  | COMI                                  | MENTS:                  |                             |                           |  |  |  |
|  | Rurge Rate                       | Home         | Turbidity    | THE PARTY OF THE P |                                       | Sonductivity :-         | Temperature                 | Water Level               | <b>Cumulative</b>                                |  |  |
| Time   | (gal or<br>mUmin)                | <b>(SU)</b>  | (UTA)        | (mix)  |                                       | umhos/cm<br>(Corrected) | (20)                        | + (0.01 <i>f</i> t)       | Purge Volume (L)                                 |  |  |
| 1555   | 300                              | 7.46         |              |  | .0.                                   | 1980                    | 15.45                       | 10.55                     | Initial  |  |  |
| 1600 / 7.49 10 300 1.0 1970 15.27 10.55 15   |                                  |              |              |  |                                       |                         |                             |                           |  |  |  |
| 1605   |                                  | 7.59         |              |  | .0                                    | 1960                    | 14.99                       | 10.55                     |  |  |  |
| 1615   |                                  | 7.50         |              | 203 I  | 0.                                    | 1960                    | 14.94                       | 10.55                     |  |  |  |
| 1020   | <b>V</b>                         | 7.59         | 3            |  | ·D                                    | 1980                    | 14.87                       | 10.55                     |  |  |  |
|  | <del>-</del> -                   |              |              |  |                                       | . 100                   | 7 7181                      | 10.50                     | <del>                                     </del> |  |  |
|  | •                                |              |              |  |                                       |                         |                             | ·                         |  |  |  |
|  |                                  |              |              |  |                                       |                         |                             |                           |  |  |  |
| Stabilization  | complete wh                      | 2 SHOOM      | cive reading | s w/in the follo   | vuina limita                          | · nH ./- 0.1.9          | H: Cond 1/- 20              | (TC): Tomo                | 1/500  |  |  |
|  | Complete with<br>Turbidity <10 I |              |              |  | wing iirinis                          | . рп +/- 0.1 3          | 10, Cond <del>1</del> /- 20 | ) (10); 1 <del>e</del> mp | +/-5° C  |  |  |
| and the second supplies the second se |                                  |              | * DDEOCO\/4: | TN/E 000E0   | · · · · · · · · · · · · · · · · · · · |                         | <del></del> -               |                           |  |  |  |
| BOI  |                                  | 3 <b>2</b> 9 |              | TIVE CODES:<br>3 - HNO3 C - I  | -SO4 D-                               | NaOH F-HO               | CI F- Na-S-O-               | ,                         |  |  |  |
| Number   | Size                             | Туре         | Preservative | Filtered   | Number                                | Size                    | Туре                        | Preservative              | e Filtered                                       |  |  |
| 5  | 40 mL                            | Glass        | E            | □Y⊠N   | 2                                     | 1000 ml                 | _ Glass                     | С                         | □Y⊠N   |  |  |
| 1  | 40 mL                            | Glass        | Α            | □Y⊠N   | 2                                     | 1000 ml                 | Amber                       | F                         | □Y⊠N   |  |  |
| 1  | 40 mL                            | Glass        | С            | □Y⊠N   | 2                                     | 1000 ml                 | Plastic                     | Α                         | □Y⊠N   |  |  |
| 1  | 120 mL                           | Plastic      | F            | □Y⊠N   |                                       |                         |                             |                           |  |  |  |
|  | <u> </u>                         |              |              |  |                                       |                         |                             | ·                         |  |  |  |
| CHAIN-OF-C   | JSTODY NUME                      | BER: 009     | 6 860 DAT    | E SHIPPED:   | 7/24                                  | 2/05                    | _ METHOD:                   | Fed                       | Ex   |  |  |
| AIRBILL NUM  |                                  | MA           |              | NED:   | Jewa                                  | oide                    | DATE:                       | 7/26/                     | 25   |  |  |
|  | ·                                | 100,         |              |  |                                       |                         |                             | -11                       |  |  |  |
| REV 07/02<br>FORMS\FIELD FO  | ORMS\NEW H20LO                   | G.DOC        |              | P:\LECA  | RPENTER\L.E.                          | CARPENTER- NIC          | K\MONITORING\G              | W MONITORING              | PROTOCOL & FIELD                                 |  |  |



| VELL VOLUME: 3.75  | PROJECT              | NAME                     |             | PREPARE         | D .         |                            | CHECKED                |             | F             | PROJECT NO.         |
|--|----------------------|--------------------------|-------------|-----------------|-------------|----------------------------|------------------------|-------------|---------------|---------------------|
| PURGING  | L.E. Carpe           | enter – Whart            | on, NJ      | By: JO          | D           | ate: 7/24/05               | Ву:                    | Date:       |               | 6527.10             |
| WELL VOLUME: 3-75   Gallons   Liters   | WELL MA              | TERIAL:                  | PVC XS      | S 🗌 Iron [      |             | ther                       | <del></del>            |             |               |                     |
| COTAL VOLUME REMOVED: 11-25   Gallons   Liters   COND.970  | Talking of switter   | Elikistraji kezmonintaki | S. Park     |                 | TE: 7/2     |                            |                        |             |               | DATE: 7)26/0        |
| METHOD:   Bailer.  |                      |                          |             |                 | 1.7 1 House |                            |                        | 1           |               |                     |
| DEPTH TO WATER: 9-65 T/ 6C   |                      |                          |             |                 | Liters      |                            |                        |             |               |                     |
| TURBIDITY:   None   Slight   Moderate   Venual   |                      |                          |             | mip, biaddoi    | <del></del> |                            |                        |             |               |                     |
| DOR:   |                      |                          |             | C +.1           |             |                            |                        |             |               |                     |
| None   |                      |                          |             |                 | tan         |                            |                        |             |               |                     |
| SPOSAL METHOD:   Ground   Drum   Other   COMMENTS:   Conductivity   Temperature   Water-Level   Community   State   State   State   State   State   Conductivity   Temperature   Water-Level   Community   State   S   |                      | - \                      |             | Moderate        | . □ Ve      | rv ODC                     | DR: ☐ None 「           | Other       |               |                     |
| Registration   Philips     | COMMEN               | TS:                      |             |                 |             | COL                        | OR:                    |             | · .           | ····                |
| Selection   Color      | DISPOSA              | L METHOD:                | ☐ Ground D  | Drum Oth        | ner         | СОМ                        | MENTS:                 |             |               |                     |
| 10   |                      | (gal or<br>miz/min)      | (80)        | (UTA)           | (mV)        | -:Oxygen                   | umhos/cm<br>(Conecied) | (°C)        | ± (0:01 ft)   | Purge Volume<br>(U) |
|  | 1850                 | 450                      |             |                 |             |                            |                        |             |               | <del></del>         |
| 1815   |                      |                          |             |                 |             |                            |                        |             |               |                     |
| 1810 7.41 4 185 0.8 915 13.11 9.63 9.0  7.44 2 784 0.8 920 15.15 9.65 11.25  abilization complete when 3 successive readings w/in the following limits: pH +/- 0.1 SU; Cond +/- 20 (TC); Temp +/-5° C addition, Turbidity <10 NTU or 3 successive readings +/- 10%  BOTTLES FILLED PRESERVATIVE CODES: A-Nona B-HN03 C-H-SO4 D-NaOH F-HCI F-Na-S-O-Number Size Type Preservative Filtered Number Size Type Preservative Filtered 40 mL Glass E   |                      |                          |             | 1 7 1           |             |                            |                        |             |               |                     |
| Aln-of-custody Number: CO9 (360) Date Shipped:    April   Apri |                      |                          |             |                 |             |                            |                        |             |               |                     |
| abilization complete when 3 successive readings w/in the following limits: pH +/- 0.1 SU; Cond +/- 20 (TC); Temp +/-5° C addition, Turbidity <10 NTU or 3 successive readings +/- 10%    PRESERVATIVE CODES:   |                      | <b>V</b>                 |             |                 |             |                            |                        |             |               |                     |
| BOTTLES/FILLED PRESERVATIVE CODES:  A-None B-HN03 C-H-S04 D-NeOH F-HCI F-Ne-S-0-  Number Size Type Preservative Filtered Number Size Type Preservative Filtered  40 mL Glass E   |                      |                          |             |                 |             |                            |                        |             |               | 1.                  |
| BOTTLES/FILLED PRESERVATIVE CODES:  A-None B-HN03 C-H-S04 D-NeOH F-HCI F-Ne-S-0-  Number Size Type Preservative Filtered Number Size Type Preservative Filtered  40 mL Glass E   |                      |                          |             |                 |             |                            |                        |             |               |                     |
| BOTTLES/FILLED PRESERVATIVE CODES:  A-None B-HN03 C-H-S04 D-NeOH F-HCI F-Ne-S-0-  Number Size Type Preservative Filtered Number Size Type Preservative Filtered  40 mL Glass E   |                      |                          |             |                 |             |                            |                        |             |               | <u> </u>            |
| Number Size Type Preservative Filtered Number Size Type   | n addition,          | Turbidity <10            | NTU or 3 su | ccessive readir | ngs +/- 10  | )%                         | <br>:: pH +/- 0.1 SU;  | Cond +/- 20 | (TC); Temp    | ) +/-5° C           |
| 40 mL Glass E □Y ⊠ N 2 1000 mL Glass C □Y ⊠ N 40 mL Glass A □Y ⊠ N 2 1000 mL Amber F □Y ⊠ N 40 mL Glass C □Y ⊠ N 2 1000 mL Plastic A □Y ⊠ N 120 mL Plastic F □Y ⊠ N  AIN-OF-CUSTODY NUMBER: **O96860** DATE SHIPPED: 7/2665 METHOD: Fed Ex   | Harris Harrist R. E. |                          |             | A - None B -    | HNO3        | C - H <sub>2</sub> SO4 D - |                        | 1           | Brog on ratio | o' Elleand          |
| 40 mL Glass A  | 5                    | 1                        |             | <del></del>     | 1           | <del></del>                |                        |             |               |                     |
| 40 mL Glass C DY N 2 1000 mL Plastic A DY N 120 mL Plastic F DY N N AIN-OF-CUSTODY NUMBER: 0096860 DATE SHIPPED: 7/2605 METHOD: Fed Ex   | 1                    |                          |             |                 |             | ·                          | +                      |             | ļ .           |                     |
| 120 mL Plastic F □Y ⊠ N  AIN-OF-CUSTODY NUMBER: 0096860 DATE SHIPPED: 7/26/05 METHOD: Fed Ex   | 1                    | 40 mL                    | Glass       | С               |             | IN 2                       | <del></del>            | 1           |               |                     |
|  | 1                    | 120 mL                   | Plastic     | F               |             | IN                         |                        |             |               |                     |
| BILL NUMBER: NA SIGNED: WWOOK DATE: 7/26/05  | HAIN-OF-C            | USTODY NUM               | _           | BGO DATE        | SHIPPED     | = 7/26                     | 105                    | METHOD: _   | Fed F         | =x                  |
|  | RBILL NUM            | BER:                     | NA          | SIGNE           | ED: ~       | Vieno                      | 2de                    | DATE:       | 7/24/0        | 5                   |



| PROJECT NAME                                   | PREPARED        |                              |         | CHECKE                | D              |               | $\Box$      | PROJECT N          | 10.  |
|--|-----------------|------------------------------|---------|-----------------------|----------------|---------------|-------------|--------------------|------|
| L.E. Carpenter – Wharton, NJ                   | By: JO          | Date: 7/27                   | 1/05    | By: EES               |                | Date: 8       | 05          | 6527.10            | 3    |
| SAMPLE NO.: MW-19-♣1 WELL MATERIAL: □ PVC ☑ SS | WELL DIAI       | METER:<br>Other              | □ 2°    | <b>□</b> 4"           | Othe           | er            |             |                    |      |
| SAMPLE TYPE: NGW □ W                           |                 | □ DW □                       | Leac    | hate 🗌                | Other          |               |             |                    |      |
| PURGING TIME: 7                                | DATE: 1         | 27/05                        |         | SVAMELLE              |                | TIME:         | _           | DATE: 7/2          | 1/05 |
| WELL VOLUME: 12.9   Gallons N                  | Liters          |                              | :Ha     |                       | SU TE          | MP.           | °c ]        | Ø.O.               | ma/L |
| TOTAL VOLUME REMOVED: 66.0                     | ] Galions 🛛 L   | iters                        | COND    | ). <u>µm</u> h        | os/cm          | Ferr. Fe      | ma/L        | CO <sub>2</sub>    |      |
|  | o, Bladder      |                              | TURB    | IDITY:                | NTU            | ORP /         | ∫ mV        | Alk                | mg/L |
| DEPTH TO WATER: 9.89 T/OC                      |                 |                              | ODOF    | R: ☐ None             | ☐ Oth          | er 1/t        | <u> 1 c</u> | OLOR:              |      |
| DEPTH TO BOTTOM: 15.00 T/ OC                   | +.1             |                              | TURB    | IDITY: 🖂              | None           | □ Slight      | ПМс         | oderate 🗍          | Verv |
| ODOR:   None ☐ Other                           | COLOR: rd       | dish bm                      | FILTR   | ATE (0.48             | um) □          | Yes 🛛 No      |             |                    |      |
| TURBIDITY: None Slight                         | Moderate 🗷      | Verv                         | ODO     | R: No                 | ne $\square$ ( | Other         |             |                    |      |
| COMMENTS:                                      |                 |                              | COF     | රR:                   |                |               |             |                    |      |
| DISPOSAL METHOD: ☐ Ground ☑ D                  | rum   Other     |                              | COM     | MENTS:                |                |               |             |                    |      |
|  | Furnidity (ORP) | Dissolve<br>Oxygen<br>(ng/L) | i de la | Conductivity umnes/cm | Temp           | Perature : Wa | ter Leve    | Cumule<br>Purge Vo |      |

| Time | Rurge Rate (gal or | ・pH<br>(SU) | Terroldity // | ORP : | Dissolved<br>Oxygen | (Conclucityhy)<br> | Temperature | Water Level | Gumulativa<br>Purge Volume |
|------|--------------------|-------------|---------------|-------|---------------------|--------------------|-------------|-------------|----------------------------|
| 720  | 650                | 6.89        | 1000 +        | 214   | (mg/L)<br>/. O      | (Corrected)        | 15.46       | 9.89        | Initial                    |
| 725  |                    | 7.13        | 1000+         | 215   | 1.0                 | 2300               | 14.74       | 9.85        | 2.75                       |
| 130  |                    | 7.24        | 1000+         | 209   | 1.0                 | 23/0               | 14.93       | 9.92        | 5.50                       |
| 735  |                    | 7.24        | 1000+         | 208   | 1.0                 | 2300               | 15.00       | 9.92        | 8.25                       |
| 740  |                    | 7.24        | 1000+         | 208   | 1.0                 | 2300               | 15.01       | 9.94        | 11.0                       |
| 750  |                    | 7.25        | 1000+         | 207   | 1.0                 | 2300               | 15.03       | 9.95        | 16.5                       |
| 755  |                    | 7.24        | 499           | 206   | 1.0                 | 2290               | 15.07       | 9.95        | 19.25                      |
| 800  |                    | 7.24        | 382           | 206   | 10                  | 2280               | 15.10       | 9.95        | 22.0                       |
| 810  |                    | 7.23        | alo           | 207   | 1.0                 | 2280               | 14.99       | 9.95        | 27.5                       |
| 820  | V                  | 7.23        | 132           | 208   | 1.0                 | 2280               | 14.99       | 9.95        | 33.0                       |

Stabilization complete when 3 successive readings w/in the following limits: pH +/- 0.1 SU; Cond +/- 20 (TC); Temp +/-5° C In addition, Turbidity <10 NTU or 3 successive readings +/- 10%

| ВОТ    | FILESTELL | LED .   | PRESERVATI   |          | -SO4 D-N                              | IaOH F - HCI | F- Na <sub>2</sub> S <sub>2</sub> O <sub>2</sub> |              |          |
|--------|-----------|---------|--------------|----------|---------------------------------------|--------------|--|--------------|----------|
| Number | Size      | Туре    | Preservative | Filtered | Number                                | Size         | Туре   | Preservative | Filtered |
| 5      | 40 mL     | Glass   | E            | □Y⊠N     | 2                                     | 1000 mL      | Glass  | С            | □Y⊠N     |
| 1      | 40 mL     | Glass   | A            | □Y⊠N     | 2                                     | 1000 mL      | Amber  | F            | □Y ⊠ N   |
| 1      | 40 mL     | Glass   | С            | □Y⊠N     | 2 .                                   | 1000 mL      | Plastic  | Α            | □Y⊠N     |
| 1      | 120 mL    | Plastic | F            | □Y⊠N     | · · · · · · · · · · · · · · · · · · · |              | <u> </u>   |              |          |

| CHAIN-OF-CUSTODY NUMBER: | NAR    | DATE SHIPPED: | 7/27/05  | METHOD: | Lab courier |
|--------------------------|--------|---------------|----------|---------|-------------|
| AIRBILL NUMBER: 691      | 0859 Z | SIGNED:       | Ovenoode | DATE:   | 7/27/05     |



| PROJECT NAME                                      | · .  | PREPAR             |             |                           |            | CHECKED                               |                    | P P                      | ROJECT NO.                             |
|---|--|--------------------|-------------|---------------------------|------------|---------------------------------------|--------------------|--------------------------|--|
| E. Carpenter – Wharte                             | on, NJ   | By: JO             |             | Date:                     | 27/05      | By: EES                               | Date:              | 1805                     | 6527.10                                |
| SAMPLE NO.: MW                                    | -19-1 (con                                       | ) WEI              | L DIAME     | TED                       | □ 2"       | <b>▼</b> 4" □                         | <br>Other          |                          |  |
| VELL MATERIAL:                                    |  |                    |             | Other                     | <b>□</b> ² |                                       | Outer              |                          | •                                      |
|   |  |                    | _           | -                         | 7 1 222    |                                       |                    |                          |  |
| SAMPLE TYPE:                                      | <b>(</b> gw □                                    | ww □s              | VV L        | ] DW [                    | Leaci      | nate                                  | er                 |                          | <del> </del>                           |
| Purging #   | TIME:  | D/                 | ATE:        | _                         | V,C        | ZVVENES.                              | TIME:              |                          | DATE: 7/27/6                           |
| VELL VOLUME:                                      | ☐ Gallons  | ☐ Litera           |             |                           |            | 7.22 SU                               | TEMP. IS           |                          | 0.0.1.0 ma/L                           |
| OTAL VOLUME REM                                   |  |                    | i 🗌 Lite    | rs                        |            | mhos/c                                |                    | ma/L                     | CO2 10 ppn                             |
| METHOD: 🗌 Bailer.                                 | Pul  | mp, Bladder        | <u> </u>    |                           | 1          | DITY: 20 N                            |                    | 208 mV                   | Alk 100 ma/L                           |
| DEPTH TO WATER:                                   |  | <del>1/1+</del>    |             |                           |            | None                                  |                    |                          | LOR: كارس                              |
| DEPTH TO BOTTOM:                                  | T/   | 0,,,               |             |                           | TURBI      | <u> </u>                              |                    |                          | erate                                  |
| DDOR: None 10                                     |  | COLO               |             | <del></del>               |            | ATE (0.45 µm)                         |                    | NO                       | ······································ |
| URBIDITY: None                                    | ☐ Slight   | Modera             | te 🗍 V      | erv                       | COLO       | R: None I                             | 1 Otner            |                          |  |
| DISPOSAL METHOD:                                  | ☐ Ground 🏻                                       | I Drum 🗆 O         | thor        |                           |            |                                       | nsims              | <u> </u>                 |  |
| DISPUSAL IVIET HOD.                               | I GIOUIIO IA                                     |                    | 11101       |                           | COIVIIV    | ICIVIO.                               | 1.2/11.0           | ·                        |  |
| RurgeiRete<br>Time (gal or<br>mismin):            |  | Turbidity<br>(NTU) | ORP<br>(nV) | Disselv<br>Oxyge<br>(ng/L | in - Piri  | onductivity<br>unhos/cm<br>Corrected) | emperature<br>(°C) | Water Level<br>(0:01:41) | Cumulative<br>Purge Volume             |
| 8 <sup>30</sup> 550                               | 7.23   | 78                 | 208         | 1.0                       |            | 2270                                  | 15.20              | 9.55                     | tritiat 36                             |
| 840   | 7.21   | 57                 | 203         | 1.0                       |            | 2260                                  | 15.12              | 9.55                     | 44.0                                   |
| 820   | 7.21   | 38                 | 799         | <u>_!.C</u>               |            | 2260                                  | 15.14              | 9.55                     | 49.5                                   |
| 900   | 7.22   | 30                 | 200         | 1.0                       |            | 2260                                  | 15.20              | 9.55                     | 55.0                                   |
| 919   | 7.23   | 26                 | 206         | <u> </u>                  |            | 2270                                  | 15.27              |                          | 60.5                                   |
| 920   | 7.24   | 22                 | 208         | 1.0                       |            | 2260                                  | 15.24              | 9.55                     | 63.25                                  |
| •   | 7.22   | 20                 | 200         | 1.                        |            | 2260                                  | 15.23              | 9.55                     | 66.0                                   |
|   |  |                    |             | <del>.</del>              |            |                                       |                    |                          |  |
|   |  |                    | -           |                           |            |                                       |                    |                          |  |
| abilization complete what addition, Turbidity <10 |  |                    |             |                           | ng limits: | pH +/- 0.1 SU                         | ; Cond +/- 20      | (TC); Temp               | +/-5° C                                |
| EBOTHESFIL  | LED  | PRESERVAT          |             |                           | O4 D-N     | IaOH F - HCI                          | F- Na-S-O-         | ·                        | · · · · · · · · · · · · · · · · · · ·  |
| Number Size                                       | Туре   | Preservative       | Filte       |                           | Number     | Size                                  | Туре               | Preservative             | Filtered                               |
| 5 40 mL   | Glass  | E                  | □Y I        | ⊠N 2                      | 2          | 1000 mL                               | Glass              | С                        | □Y⊠N                                   |
| 40 mL   | Glass  | A                  | □Y I        | ⊠ N 2                     | 2          | 1000 mL                               | Amber              | F                        | □Y⊠N                                   |
| 40 mL   | <del>                                     </del> | С                  | □Y I        | ⊠N 2                      | 2          | 1000 mL                               | Plastic            | Α                        | □Y⊠N                                   |
| 120 mL  | Plastic  | F                  | □Y t        | ⊠ N                       |            |                                       |                    |                          |  |
|   |  |                    |             |                           |            |                                       |                    |                          |  |



| By: JO Date: 7 27 65 By: 6527.10  SAMPLE NO.: MW-19-9D WELL DIAMETER: \$\frac{7}{2}^2  4"  Other  Other   Other   Other   Other   Other   Other   Other   Other   Other   Other    Other   Other    Other   \qqq         \qu   |   |                                       |                    |                       | ·n                                    |               | OUEOVED         |                | · .            | DDO IEOT NO   |  |
|--|---|---------------------------------------|--------------------|-----------------------|---------------------------------------|---------------|-----------------|----------------|----------------|---------------|--|
| SAMPLE NO.:  |   |                                       |                    |                       | · · · · · · · · · · · · · · · · · · · | 2)            | CHECKED         |                | <del></del>    |               |  |
| WELL MATERIAL: PVC (\$1 SS   Iron   Other    SAMPLE TYPE: \$1 GW   WW   SW   DW   Leachate   Other    PUBLICATION: TIME: \$2^2   DATE: 7/21/05   TIME: \$47   DATE: 7/21/05    WELL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. MA    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. MA    TOTAL VOLUME: NOT   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   TEMP. (6-V0°C   DH | L.E. Carpe  | nter – Wharto                         | on, NJ             | By: JO                | Date:                                 | (151 102      | By: (20)        | Date: 8        | 2 1905         | 6527.10       |  |
| WELL MATERIAL: PVC (\$1 SS   Iron   Other    SAMPLE TYPE: \$1 GW   WW   SW   DW   Leachate   Other    PUBLICATION: TIME: \$2^2   DATE: 7/21/05   TIME: \$47   DATE: 7/21/05    WELL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   Gallons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. mol    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. MA    TOTAL VOLUME: NOT   GAllons for Liters   DH: 7.35 SU   TEMP. (6-V0°C   D.O. O.O. MA    TOTAL VOLUME: NOT   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   TEMP. (6-V0°C   DH: 7.35 SU   TEMP. (6-V0°C   DH | SAMPLE  | 10 MW-                                | 19-90              | · WELI                | DIAMETER                              | · <b>M</b> 2" | □ 4" □          | Other          |                |               |  |
| PURICING   |   | · · · · · · · · · · · · · · · · · · · |                    |                       |                                       | ,-            | <u></u> ,       |                |                |               |  |
| PURIGING TIME: \$2^2 DATE: 1/21/05 DH: 7.35 SU TEME: 16-40-c DO. 0.0 DATE: 1/21/05 DH: 7.35 SU TEME: 16-40-c DO. 0.0 D. 0.0 DATE: 1/21/05 DH: 7.35 SU TEME: 16-40-c DO. 0.0 D. 0.0 DATE: 1/21/05 DH: 7.35 SU TEME: 16-40-c DO. 0.0 D. 0.0 DATE: 1/21/05 DH: 7.35 SU TEME: 16-40-c DO. 0.0 D. 0.0 DATE: 1/21/05 DH: 7.35 SU TEME: 16-40-c DO. 0.0 D. 0.0 DATE: 1/21/05 DH: 17-35 SU TEME: 16-40-c DO. 0.0 DATE: 1/21/05 DH: 17-35 SU TEME: 16-40-c DO. 0.0 DATE: 1/21/05 DATE: 1/2    |   |                                       |                    |                       | <del></del>                           |               | hate Do         | her            | •              |               |  |
| WELL VOLUME: NRY Gallons NI Liters  DH: 7.35 SU TEMP. (6-40-c) D.O.O.D. mol.  TOTAL VOLUME REMOVED: 10 Gallons NI Liters  COND. \$2 umbos/cm Ferr. Fe NAmor. CO. NA  METHOD: Gallons NI Liters  COND. \$2 umbos/cm Ferr. Fe NAmor. CO. NA  METHOD: Gallons NI Liters  TURBIDITY: Z. NTU ORP 18 9 mV Alk NA MOL.  DEPTH TO BOTTOM: NNT 7 oC +-1 (pump.)  DEPTH TO BOTTOM: NNT 7 oC +-1 (pump.)  TURBIDITY: NI None   Slight   Moderate   Ven.  DODR: None   Other  COMMENTS:  DISPOSAL METHOD: Ground Drum   Other  COMMENTS:  COMMENTS: GROUND Drum   Other  COMMENTS:  COMMENTS: GROUND Drum   Other  COMMENTS: GROUND   |   | ··-· 7                                |                    |                       |                                       |               |                 |                |                | ····          |  |
| TOTAL VOLUME REMOVED: 10   | . PÚI   | aging:                                | TIME: 8            | 22 DA                 | TE: 7/27/0                            |               |                 |                | <u>,</u>       | DATE: 7/27/0  |  |
| METHOD:   Bailer   Pump, Bladder Perishablic   TURBIDITY: Z NTU   ORP 189 mV   Alk MM moderate   DEPTH TO WATER: 9.50 T/SC   ODOR:   None   Other   COLOR: C/COLOR   ODOR:   None   Other   COLOR: C/COLOR   ODOR:   None   Other   COLOR: C/COLOR   ODOR:   None   Other   ODOR:   ODOR:   None   Other   ODOR:   ODOR:   None   Other   ODOR:       |   |                                       |                    |                       |                                       | 1             |                 |                |                |               |  |
| DEPTH TO WATER: 9.50 T/\$C   | -   |                                       |                    |                       |                                       |               |                 |                |                |               |  |
| DEPTH TO BOTTOM:   |   |                                       |                    | mp. Bladder Y         | eristalt c                            | 1             |                 |                |                | 1             |  |
| COLOR:   None   Other   COLOR:   CLEAR   FILTRATE (0.45 um)   Yes   No   |   |                                       |                    | +-1 (=                | (amu                                  |               |                 |                |                |               |  |
| TURBIDITY:   None  |   |                                       |                    | - 4                   |                                       |               |                 |                |                | 301210        |  |
| DISPOSAL METHOD:   Ground   Drum   Other   COMMENTS:   |   |                                       |                    | ☐ Moderate            | e 🗆 Verv                              | ODC           | DR: □ None      | Other          |                |               |  |
| Purple Rate   pH   Turbidity   ORP   Dissolved   Conductivity   Temperature   Water Lave   Purple Volume   Purple Volume   (total in   Purple Volume   Purpl       | COMMEN  | TS:                                   |                    | <u>, 4</u>            |                                       | COL           | OR:             | <del></del>    |                | <u> </u>      |  |
| Time   Capter   Cap       | DISPOSA   | L METHOD: [                           | ☐ Ground 区         | Drum   Ot             | her                                   | СОМ           | MENTS:          |                | ···            | <u> </u>      |  |
| 100   150        | PH UDDINATURE WATER SAFETY OF THE PROPERTY OF |                                       |                    |                       |                                       |               |                 |                |                |               |  |
| 1  | <b>612</b>  |                                       |                    | Sandania il 1945e fac |                                       |               |                 |                |                |               |  |
| 1  |   |                                       |                    |                       |                                       |               | 1               |                | <del> </del>   |               |  |
| 1  |   |                                       |                    |                       |                                       |               |                 |                |                |               |  |
| Reservative codes:   Preservative   Filtered   Number   Size   Type   Preservative   Filtered   Size   Type          |   |                                       |                    |                       |                                       |               |                 |                | <del></del>    | 6             |  |
| tabilization complete when 3 successive readings w/in the following limits: pH +/- 0.1 SU; Cond +/- 20 (TC); Temp +/-5° C addition, Turbidity <10 NTU or 3 successive readings +/- 10%    PRESERVATIVE CODES:  | 8.42  |                                       | 7.33               |                       | 190 0                                 | .0            | 553             |                |                |               |  |
| BOTTLES FILLED  PRESERVATIVE CODES: A-None R-HN03 C-H-SO4 D-NaOH F-HCI F-NewS-O- Number Size Type Preservative Filtered Number Size Type Preservative Filtered  40 mL Glass E  | 847   | V                                     | 7.35               | 2                     | 189 C                                 | 0.0           | 552             | 16.40          | 9.55           | 10            |  |
| BOTTLES FILLED  PRESERVATIVE CODES: A-None R-HN03 C-H-SO4 D-NaOH F-HCI F-NewS-O- Number Size Type Preservative Filtered Number Size Type Preservative Filtered  40 mL Glass E  |   | · .                                   | <u> </u>           |                       |                                       |               |                 |                |                |               |  |
| BOTTLES FILLED  PRESERVATIVE CODES: A-None R-HN03 C-H-SO4 D-NaOH F-HCI F-NewS-O- Number Size Type Preservative Filtered Number Size Type Preservative Filtered  40 mL Glass E  |   |                                       |                    |                       |                                       |               |                 |                |                |               |  |
| BOTTLES FILLED  PRESERVATIVE CODES: A-None R-HN03 C-H-SO4 D-NaOH F-HCI F-NewS-O- Number Size Type Preservative Filtered Number Size Type Preservative Filtered  40 mL Glass E  |   |                                       |                    | -                     |                                       |               |                 |                |                | <del></del>   |  |
| PRESERVATIVE CODES:  A-None B-HN03 C-H-SO4 D-NaOH F-HCI F-Na-S-O-  Number Size Type Preservative Filtered Number Size Type Preservative Filtered  ### A 10 mL Glass E  | Stabilization   | complete wh                           | en <u>3 succes</u> | sive readings         | w/in the folio                        | wing limits   | : pH +/- 0.1 SI | J; Cond +/- 20 | )<br>(TC); Tem | <br>p +/-5° C |  |
| Number Size Type Preservative Filtered Number Size Type P     | n addition,   | Turbidity <10                         | NTU or 3 suc       | cessive readi         | ngs +/- 10%                           |               |                 |                |                |               |  |
| Number Size Type Preservative Filtered Number Size Type P     | PAT   | - DECEN                               |                    | PRESERVAT             | VE CODES:                             |               |                 |                | <del></del>    | <del></del>   |  |
| 40 mL Glass E DY N 2 1000 mL Plass C DY N N 2 1000 mL Amber F DY N N 2 1000 mL Plastic A DY N N 2 1000 mL Plastic A DY N N N N N N N N N N N N N N N N N N   |   |                                       |                    | A - None B            | HNO3 C-F                              |               |                 | 1              | T              |               |  |
| THAIN-OF-CUSTODY NUMBER: 0096859 DATE SHIPPED: 72705 METHOD: Tab Courter   |   |                                       | -                  |                       |                                       | <del> </del>  | +               |                | Preservativ    |               |  |
| HAIN-OF-CUSTODY NUMBER: 0096859 DATE SHIPPED: 727 05 METHOD: "Tab counter  | <u>р</u> <u>э</u>   |                                       |                    |                       | <del> </del>                          |               |                 |                | -              |               |  |
| HAIN-OF-CUSTODY NUMBER: 0096859 DATE SHIPPED: 727 05 METHOD: 1ab counter   | 1-  |                                       |                    | A                     |                                       | ***           | +               |                |                |               |  |
| HAIN-OF-CUSTODY NUMBER: 0096859 DATE SHIPPED: 727 05 METHOD: 1ab counter   | <del>1</del>  |                                       |                    |                       |                                       |               | 1000 mL         | Plastic        | A              |               |  |
|  | <u>1</u>  | 120 mL                                | Plastic            | ₹ <u> </u>            | DY RU                                 |               |                 |                |                |               |  |
|  |   |                                       | _                  |                       |                                       |               | ,               |                |                |               |  |
| BRILL NI IMBER MA SIGNED AD NAME - 12-10-  | CHAIN-OF-C  | USTODY NUM                            | BER: 0090          | .859 DATE             | SHIPPED: _                            | 7/2           | 7/05            | METHOD: _      | Tab            | counter       |  |
|  | MODILL KILIK  | IDED:                                 | ľΛΛ                | eloki<br>P            | ED: 1                                 | 7700          | and a           | DATÉ:          | 1 1            |               |  |



| PROJECT NAME   |  |   |                   |                 |               |               |                | <del></del>                            |                      | <del></del>  | ·              |  |  |  |  |
|--|--|---|-------------------|-----------------|---------------|---------------|----------------|--|----------------------|--------------|----------------|--|--|--|--|
| SAMPLE NO.: MW - I9  | PROJECT  | NAME                                      | •                 | PREPAR          | ED            |               | <del>- ,</del> |  | <del>. ,</del>       |              | PROJECT NO.    |  |  |  |  |
| WELL MATERIAL:   | L.E. Carpe   | enter – Wharto                            | on, NJ            | By: JO          |               | Date:         | 7/27/05        | By: EES                                | Date:                | 3/18/65      | 6527.10        |  |  |  |  |
| WELL MATERIAL:   | CAMPLE   | 10 · MW                                   | .10               | \A/E            | LI DIAN       | ÆTED.         | 171 0          | <u> </u>                               | Other                |              |                |  |  |  |  |
| SAMPLE TYPE:   |  | • • •                                     |                   |                 |               |               | · 1412         |  | Other                | •            |                |  |  |  |  |
| PURGING TIME: 1015 DATE: 1/27/05 WELLVOLUME: 41.2   Gallons M. Liters TOTAL VOLUME: 41.2   Gallons M. Liters COND. 1/2/2/2/2/2/2/2   Ferr. Fe 7 [Dmg/L Co. 60 pm/L METHOD:   Baller.   Pump. Bladder URBIDITY:   NTU ORP   ST mV Alk 1/0 mg/L DEPTH TO WATER: 9.91 T/OC DEPTH TO WATER: 9.91 T/OC DEPTH TO BOTTOM: (6.56 tr OC + 0.1) DEPTH TO BOTTOM: (6.56 tr OC + 0.1) DEPTH TO WATER: 9.91 T/OC DEPTH TO BOTTOM: (6.56 tr OC + 0.1) DEPTH TO WATER: (7.91 tr OC + 0.1) DEPTH TO WATER: |  |   | •                 |                 |               |               |                | hate D Ot                              | her                  |              |                |  |  |  |  |
| WELL VOLUME: 4-2   Gallons IX Liters   | OAIII EE   | · · · · · · · · · · · · · · · · · · ·     |                   |                 | ,,,,          |               |                |  | 1101                 |              |                |  |  |  |  |
| TOTAL VOLUME REMOVED:   A.S.   Gallons   Liters   COND.   128mhos/cm   Ferr. Fe 7   Dmg/L   CO., 6.0 pm  | <b>PU</b>  | RGING                                     | TIME: J           | <b>D</b> 15 D   | ATE: 1        | 27/0          | 3              | SAMPLE.                                |                      |              | DATE: סלרבליכי |  |  |  |  |
| METHOD:  | WELL VO  | LUME: 4.2                                 | ☐ Gallons         | <b>⊠</b> Liters |               |               |                |  |                      |              | p.o. 1.0 ma/L  |  |  |  |  |
| DEPTH TO WATER: 9.91 T/OC  |  |   |                   |                 | s 🔀 Li        | ters          |                |  |                      |              | 1              |  |  |  |  |
| DEPTH TO BOTTOM:   |  |   |                   | mp, Bladder     |               |               |                | ··-··                                  |                      |              |                |  |  |  |  |
| ODOR:  |  |   |                   | c. +o.l         | <del> </del>  | <del></del> . |                |  |                      |              |                |  |  |  |  |
| TURBIDITY:   None   Moderate   Very   ODOR:   None   Other   |  |   |                   | COLO            | R: <b>Cle</b> | toot!         | FILT           |  | •                    |              |                |  |  |  |  |
| DISPOSAL METHOD:   Ground   Drum   Other   COMMENTS:   |  | •   | _                 |                 |               |               | 1              |  |                      |              |                |  |  |  |  |
| Purge Pate   Tame   Substitution     | COMMEN   | TS: She                                   | en on t           | 20 of 11        | ater          |               | COL            | .OR:                                   |                      |              |                |  |  |  |  |
| Color   Colo   | DISPOSA  | L METHOD: [                               | Ground D          | Drum C          | ther          |               | СОМ            | MENTS:                                 |                      |              |                |  |  |  |  |
| Cosecusion   Cos   |  |   |                   |                 | -ABB          |               |                |  | ineri (in disente di |              |                |  |  |  |  |
| Cols   360   6.94   37   74   1.0   2240   16.03   6.94   Initial   1025   7.00   20   190   (.0   2000   15.89   9.91   3.5   1035   7.03   11   183   1.0   1930   15.75   9.92   7.0   1040   7.04   10   184   1.0   1920   15.76   9.92   8.75   1045   7.03   9   185   1.0   1920   15.76   9.92   8.75   1045   7.03   9   185   1.0   1920   15.86   9.97   7.05   7.03   9   185   1.0   1920   15.86   9.97   7.05   | Time (gallor) (SU) (NTU) (mV) (mg/L) (Corrected) (SC) (0.0140 Purge-Volume (Lb) (MV) (mg/L) (Corrected) (SC) (MV) (Lb) (Lb)  |   |                   |                 |               |               |                |  |                      |              |                |  |  |  |  |
| 10   18   1.0   1930   15.76   19.92   7.0   10   19.0   15.76   19.92   8.75   10.0   19.0   15.76   19.92   8.75   10.0   19.0   15.76   19.92   8.75   10.0   19.0   15.86   19.97   10.5   19.20   15.86   19.97   10.5   19.20   15.86   19.97   10.5   19.20   15.86   19.97   10.5   19.20   15.86   19.97   10.5   19.20   15.86   19.97   10.5   19.20   15.86   19.97   10.5   19.20   19.20   15.86   19.97   10.5   19.20   19.20   15.86   19.97   10.5   19.20   19.20   19.20   19.20   19.20   19.20   10.5   19.20   19.20   10.5   19.20   10.5   19.20   10.5   19.20   10.5   19.20   10.5   19.20   19.2   | Time (gall or (SU) (NTU) (mV) Oxygen (umhos/cm (°C) (n014) Purge Volume (mg/L) (Corrected) (°C) (n014) Purge Volume (ng/L) (Corrected) (°C) (n014) Purge Volume (ng/L) (1014) (°C) (n014) (°C) (°C) (°C) (°C) (°C) (°C) (°C) (°C |   |                   |                 |               |               |                |  |                      |              |                |  |  |  |  |
| 10   10   18   1.0   1920   15.76   9.92   8.75     10   18   1.0   1920   15.86   9.97   10.5     10   18   1.0   1920   15.86   9.97   10.5     10   18   1.0   1920   15.86   9.97   10.5     10   1920   15.86   10.5     10   1920   15.86   10.5     10   1920   15.86   10.5     10   1920   15.86   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   1920   10.5     10   19   | 1015         360         6.94         37         194         1.0         2240         16.03  |   |                   |                 |               |               |                |  |                      |              |                |  |  |  |  |
| 1  | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |   |                   |                 |               |               |                |  |                      |              |                |  |  |  |  |
| Stabilization complete when 3 successive readings win the following limits: pH +/- 0.1 SU; Cond +/- 20 (TC); Temp +/-5° C In addition, Turbidity <10 NTU or 3 successive readings +/- 10%  BOTTLES FILLED  PRESERVATIVE CODES:  A - None B - HNO3 C - H SO4 D - NaOH F - HCl F - Na-S-O-  Number Size Type Preservative Filtered Number Size Type Preservative Filtered  5 40 mL Glass E DY SN 2 1000 mL Glass C DY Number F D |  | - V                                       |                   |                 | _             | <del></del>   |                |  |                      |              |                |  |  |  |  |
| In addition, Turbidity <10 NTU or 3 successive readings +/- 10%    BOTTLES FILED   | 10   |   | 1.05              |                 | 100           | 1:            |                | 1120                                   | 13.86                | 4.77         | 10.5           |  |  |  |  |
| In addition, Turbidity <10 NTU or 3 successive readings +/- 10%    BOTTLES FILED   |  |   |                   |                 |               |               |                |  |                      |              |                |  |  |  |  |
| In addition, Turbidity <10 NTU or 3 successive readings +/- 10%    BOTTLES FILED   |  |   |                   |                 |               |               |                |  |                      |              |                |  |  |  |  |
| In addition, Turbidity <10 NTU or 3 successive readings +/- 10%    BOTTLES FILED   |  |   |                   |                 |               |               |                |  | w.m                  |              |                |  |  |  |  |
| In addition, Turbidity <10 NTU or 3 successive readings +/- 10%    BOTTLES FILED   | Stabilization  | complete wh                               | en 3 succes       | eive reading    | e win th      | o follo       | wing limits    | · nH ./ 0.1 Cl                         | li Cond i / 20       | \(TC\), Tame | 1/500          |  |  |  |  |
| Number Size Type Preservative Filtered Number Size Type Preservative Filtered  5 40 mL Glass E □Y ⊠ N 2 1000 mL Glass C □Y ⊠ N  1 40 mL Glass A □Y ⊠ N 2 1000 mL Amber F □Y ⊠ N  1 40 mL Glass C □Y ⊠ N 2 1000 mL Plastic A □Y ⊠ N  1 120 mL Plastic F □Y ⊠ N 2 1000 mL Plastic A □Y ⊠ N  1 120 mL Plastic F □Y ⊠ N  |  |   |                   |                 |               |               | wing innus     | . рп +/- 0.7 30                        | ), Cond +/- 20       | / (TO); Temp | J +/-5° C      |  |  |  |  |
| Number Size Type Preservative Filtered Number Size Type Preservative Filtered  5 40 mL Glass E □Y ⊠ N 2 1000 mL Glass C □Y ⊠ N  1 40 mL Glass A □Y ⊠ N 2 1000 mL Amber F □Y ⊠ N  1 40 mL Glass C □Y ⊠ N 2 1000 mL Plastic A □Y ⊠ N  1 120 mL Plastic F □Y ⊠ N 2 1000 mL Plastic A □Y ⊠ N  1 120 mL Plastic F □Y ⊠ N   □Y ⊠ N   □Y ⊠ N  |  |   |                   | PRESERVA        | TIVE CO       | DE6.          |                | ······································ |                      |              |                |  |  |  |  |
| 5  |  | La |                   | A - None R      | - HNO3        | С-Н           |                |  |                      |              |                |  |  |  |  |
| 1 40 mL Glass A □Y ⊠ N 2 1000 mL Amber F □Y ⊠ N 1 40 mL Glass C □Y ⊠ N 2 1000 mL Plastic A □Y ⊠ N 1 120 mL Plastic F □Y ⊠ N  CHAIN-OF-CUSTODY NUMBER: 0096856 DATE SHIPPED: 727/05 METHOD: Fed Ex  |  |   |                   | <del></del>     | Filt          | ered          |                | +                                      |                      | Preservativ  | e Filtered     |  |  |  |  |
| 1 40 mL Glass C DY N 2 1000 mL Plastic A DY N 1 120 mL Plastic F DY N 2 1000 mL Plastic A DY N CHAIN-OF-CUSTODY NUMBER: 0096856 DATE SHIPPED: 727/05 METHOD: Fed Ex  | <del></del>  |   |                   |                 |               |               |                | <del></del>                            |                      |              | <u>-</u>       |  |  |  |  |
| 1 120 mL Plastic F DY N N CHAIN-OF-CUSTODY NUMBER: 0096856 DATE SHIPPED: 727/05 METHOD: Fed Ex   | 1  |   |                   |                 |               |               |                |  |                      | F            | □Y⊠N           |  |  |  |  |
| CHAIN-OF-CUSTODY NUMBER: 0096856 DATE SHIPPED: 727/05 METHOD: Fed Ex   | <u> </u>   |   |                   |                 | <del></del>   |               | 2              | 1000 mL                                | Plastic              | Α            | □Y⊠N           |  |  |  |  |
| 100  | 1  | 120 mL                                    | Plastic           | F               | □Y.           | ⊠N            |                |  |                      |              |                |  |  |  |  |
| 100  |  |   | <u></u> •         |                 |               |               | _1             | ı                                      |                      |              |                |  |  |  |  |
| AIRBILL NUMBER: SIGNED:  | CHAIN-OF-C   | USTODY NUM                                | BER: <b>009</b> ( | 756 DAT         | E SHIPP       | ED:           | 7/27           | 05                                     | METHOD: _            | Fed          | Ex             |  |  |  |  |
|  | AIRBILL NUM  | MBER:                                     | MA                | sign            | NED: _        | 9             | Over           | roade                                  | DATE:                | 7/27/0       | 5              |  |  |  |  |



| WELL MATERIAL: PVC SS Iron Other  SAMPLE TYPE: GW WW SW DW Leachate Other  PURGING TIME: 1205 DATE: 7/27/05  WELL VOLUME: 6.9 Gallons Liters DH: 7.02 SU  TOTAL VOLUME REMOVED: 6.0 Gallons Liters COND.246 umhos/cn  METHOD: Bailer, Pump, Bladder TURBIDITY: NO  DEPTH TO WATER: 9.15 T/OC  DEPTH TO BOTTOM: 2020 T/OC TURBIDITY: No  ODOR: None Other COLOR: CACOUT FILTRATE (0.45 um)  TURBIDITY: None Signt Moderate Very ODOR: None COMMENTS:  DISPOSAL METHOD: Ground Drum Other COMMENTS:  Time Gallor PH: Turbidity ORP Dissolved Conductivity  Time Gallor Signt Other COMMENTS:  Time Gallor PH: Turbidity ORP Dissolved Conductivity  Time Gallor Signt Other COMMENTS:  Time Gallor PH: Turbidity ORP Dissolved Conductivity  Time Gallor Signt Other COMMENTS:  Time Gallor PH: Turbidity ORP Dissolved Conductivity  Time Gallor Signt Other COMMENTS:  | TEMP. / Con Ferr. | 12 <sup>25</sup> D.  202 °C D.  2710 mg/L | ATE: 7/27/05          |  |  |
|--|---|---|-----------------------|--|--|
| SAMPLE NO.: MW-19 - UPPER WELL DIAMETER: [22" 4" 0 0 WELL MATERIAL: PVC [2] SS Iron 0 Other SAMPLE TYPE: GGW WW SW DW Leachate 0 Other SAMPLE TYPE: GGW WW SW DW Leachate 0 Other WELL VOLUME: 6.9 Gallons [20] DATE: 7/27/05 SSAMPLE TOTAL VOLUME REMOVED: 6.0 Gallons [2] Liters DH: 7.02 SU TOTAL VOLUME REMOVED: 6.0 Gallons [2] Liters COND.246 Imhos/crimethod: Bailer, Pump, Bladder TURBIDITY: NT DEPTH TO WATER: 9.15 T/OC ODOR: Mone 0 ODOR: None 0 OTHER COLOR: CACOUNT FILTRATE (0.45 µm) TURBIDITY: None Signific Moderate Very ODOR: None 0 COMMENTS: COLOR: COMMENTS: COLOR: COMMENTS: COLOR: GRP. Dissolved Conductivity: Tame (gal-or (SU) m) (my/s) (corrected) (corrected) (corrected) (corrected)  | TEMP. // TEMP. // TEMP. // TEMP. // ORP   | •02 °C D.<br>e 710 mg/L                   | ATE: 7/27/05          |  |  |
| WELL MATERIAL: PVC SS S Iron Other  SAMPLE TYPE: SGW WW SW DW Leachate Other  PURGING: TIME: 1205 DATE: 712105  WELL VOLUME: 6.9 Gallons St Liters DH: 7.02 SU  TOTAL VOLUME REMOVED: 6.0 Gallons St Liters COND.246 Jumhos/cn  METHOD: Bailer, Pump, Bladder TURBIDITY: None  DEPTH TO WATER: 9.15 T/OC  DEPTH TO BOTTOM: 2020 T/OC TURBIDITY: None  ODOR: None Other COLOR: CACAF FILTRATE (0.45 µm)  TURBIDITY: None Signht Moderate Very ODOR: None COMMENTS:  COMMENTS: COLOR:  DISPOSAL METHOD: Ground Drum Other COMMENTS:  Time (gallor SH)  Time (gallor SH)  Time (gallor Signht Moderate Other COMMENTS:  WELL MATERIAL SW DW DW DW Dissolved Conductivity  Time (gallor SH)  Time (Gallor SM)  TURBIDITY: MODER COMMENTS:  COLOR:  COMMENTS: COLOR: COMMENTS:  Time (gallor SM)  Tim | TEMP. // TEMP. // TEMP. // ORP  | •02 °C D.<br>e 710 mg/L                   |                       |  |  |
| WELL MATERIAL: PVC SS S Iron Other  SAMPLE TYPE: SGW WW SW DW Leachate Other  PURGING: TIME: 1205 DATE: 712105  WELL VOLUME: 6.9 Gallons St Liters DH: 7.02 SU  TOTAL VOLUME REMOVED: 6.0 Gallons St Liters COND.246 Jumhos/cn  METHOD: Bailer, Pump, Bladder TURBIDITY: None  DEPTH TO WATER: 9.15 T/OC  DEPTH TO BOTTOM: 2020 T/OC TURBIDITY: None  ODOR: None Other COLOR: CACAF FILTRATE (0.45 µm)  TURBIDITY: None Signht Moderate Very ODOR: None COMMENTS:  COMMENTS: COLOR:  DISPOSAL METHOD: Ground Drum Other COMMENTS:  Time (gallor SH)  Time (gallor SH)  Time (gallor Signht Moderate Other COMMENTS:  WELL MATERIAL SW DW DW DW Dissolved Conductivity  Time (gallor SH)  Time (Gallor SM)  TURBIDITY: MODER COMMENTS:  COLOR:  COMMENTS: COLOR: COMMENTS:  Time (gallor SM)  Tim | TEMP. // TEMP. // TEMP. // ORP  | •02 °C D.<br>e 710 mg/L                   |                       |  |  |
| SAMPLE TYPE: GW WW SW DW Leachate Other  PURGING TIME: 1205  DATE: 727/05  WELL VOLUME: 6.9 Gallons Liters  DH: 7.02 SU  TOTAL VOLUME REMOVED: 6.0 Gallons Liters  METHOD: Bailer, Pump, Bladder  DEPTH TO WATER: 9.15 T/OC  DEPTH TO BOTTOM: 2020 T/OC TURBIDITY: None  ODOR: None Other  TURBIDITY: None  TURBIDITY: None  COMMENTS:  COLOR:  DISPOSAL METHOD: Ground Drum Other  COMMENTS:  DISPOSAL METHOD: Ground Drum Other  Time: Gallons Liters  DISSOlved COND. 246 Juminos/cn  Time: Gallons Liters  DISSOlved COND. 2480  Corrected COND. 2480  Corrected COND. 2480  Corrected COND. 2480  | TEMP. / Con Ferr. | •02 °C D.<br>e 710 mg/L                   |                       |  |  |
| PURGING TIME: 1205 DATE: 72205 SAMPLES  WELL VOLUME: 6.9  Gallons  Liters DH: 7.02 SU  TOTAL VOLUME REMOVED: 6.0  Gallons  Liters COND. 246 Jumhos/cn  METHOD: Bailer,  Pump, Bladder TURBIDITY: 5 NT  DEPTH TO WATER: 9.15 T/OC ODOR: 14 None  CODOR: 14 None  CODOR: 14 None  CODOR: 15 None  CODOR: 15 None  CODOR: 15 None  CODOR: 15 None  CODOR: 16 None  CODOR: 16 None  CODOR: 17 None  CODOR: 17 None  CODOR: 18 None | TEMP. / Con Ferr. | •02 °C D.<br>e 710 mg/L                   |                       |  |  |
| WELL VOLUME: 6.9  Gallons  Liters DH: 7.02 SU  TOTAL VOLUME REMOVED: 6.0  Gallons  Liters COND.246 Imhos/cn  METHOD: Bailer, Pump, Bladder TURBIDITY: 5 NT  DEPTH TO WATER: 9.15 T/OC  DEPTH TO BOTTOM: 20.20 T/OC +0.1 TURBIDITY: Non  ODOR: None Other COLOR: CLOU FILTRATE (0.45 um)  TURBIDITY: None Signht  Moderate  Verv ODOR: None COMMENTS:  DISPOSAL METHOD: Ground  Drum Other COMMENTS:  DISPOSAL METHOD: Ground  Drum Other COMMENTS:  Time Gallons  Liters DOND.246 Gonductivity  (gallor (SU) (NTU) (miv) Coxygen Jurinos/cm  (mg/L) (Corrected)  | TEMP. // n Ferr. Fe U ORP Other   | •02 °C D.<br>e 710 mg/L                   |                       |  |  |
| TOTAL VOLUME REMOVED: 6.0 Gallons Liters COND.246 Imhos/cn  METHOD: Bailer, Pump, Bladder TURBIDITY: 5 NT  DEPTH TO WATER: 9.1 5 T/OC ODOR: None GODOR: G | m Ferr. Fe<br>U ORP<br>Other  | e 710 ma/L                                | 0. 1.D ma/l           |  |  |
| METHOD: ☐ Bailer, ☐ Pump, Bladder TURBIDITY: 5 NT  DEPTH TO WATER: 9.1 5 T/ OC  DEPTH TO BOTTOM: 20.20 T/ OC +0.1  DEPTH TO BOTTOM: 20.20 T/ OC +0.1  TURBIDITY: ☐ None  ODOR: ☐ None ☐ Other  TURBIDITY: ☐ None ☐ Other  TURBIDITY: ☐ None ☐ Other  COMMENTS:  DISPOSAL METHOD: ☐ Ground ☐ Drum ☐ Other  COMMENTS:  DISPOSAL METHOD: ☐ Ground ☐ Drum ☐ Other  COMMENTS:  DISPOSAL METHOD: ☐ Ground ☐ Drum ☐ Other  COMMENTS:  DISPOSAL METHOD: ☐ Ground ☐ Drum ☐ Other  COMMENTS:  OXYGEN ☐ Marines/cm  (SU) (INTU) (mg/L) (Corrected)  (Corrected)   | U ORP   | e 710 mg/L                                |                       |  |  |
| DEPTH TO WATER: 9.15 T/OC  DEPTH TO BOTTOM: 2020 T/OC +0.1 TURBIDITY: None ODOR: | Other   | 182 WA                                    | co2 35 ρρη            |  |  |
| DEPTH TO BOTTOM: 2020 T/ 6C +0.1 TURBIDITY: Non None ODOR: None Other COLOR: CLEAR FILTRATE (0.45 mm)  TURBIDITY: None Sight Moderate Very ODOR: None COMMENTS:  COMMENTS: COLOR:  DISPOSAL METHOD: Ground Drum Other COMMENTS:  Prime (gal or (SU) (NTU) (miv) (mg/L) (Corrected)  [205] 300 7.05 18 200 1-0 2180   |   |   | Alk 70 mg/L           |  |  |
| ODOR: None Other COLOR: CACOAT FILTRATE (0.45 µm)  TURBIDITY: None Signate None Other ODOR: None COMMENTS:  DISPOSAL METHOD: Ground Drum Other COMMENTS:  If the idea of Signate (Signate Other) (Signate Othe |   |   | OR: Clear             |  |  |
| TURBIDITY: None Sight Moderate Very ODOR: None COMMENTS:  COMMENTS: COLOR:  DISPOSAL METHOD: Ground Drum Other COMMENTS:  Time (gallor (SU) (NTU) (my); Oxygen unifors/cm (mg/L) (Corrected)   |   |   | iate i i verv         |  |  |
| DISPOSAL METHOD: ☐ Ground ☑ Drum ☐ Other COMMENTS:    Purge Hate   |   |   |                       |  |  |
| Time (gallor (SU) (NTU) (mV) (mg/L) (Conected)   | :   |   |                       |  |  |
| Time ((gal or (SU) (INTU) (miV) (mg/L) (Corrected) (1205 300 7.05 18 200 1-0 2180  |   |   |                       |  |  |
| 12°5 300 7.05 18 200 1-0 2180  | emperature  | Water Level                               | Cumulative            |  |  |
|  | - (°C)  | (0.01 ft)                                 | Purge Volume<br>(U)   |  |  |
|  | 17.25   | 9.15                                      | Initial               |  |  |
| 120 ( 6.90 10 199 1.0 2220   | 16.53   | 9./5                                      | 1.5                   |  |  |
| 12 <sup>15</sup> 6.97 8 190 1.0 2440   | 16.40   | 9.15                                      | 3.0<br>4.5            |  |  |
| 128 V 7.02 5 185 1.0 2460  | 16.02   | 9.18                                      | <del>4.3</del><br>6.0 |  |  |
|  | 10,-0   | 7.13                                      |                       |  |  |
|  |   |   |                       |  |  |
|  |   |   |                       |  |  |
|  |   |   |                       |  |  |
| Stabilization complete when 3 successive readings w/in the following limits: pH +/- 0.1 SU;  | Cond +/- 20   | (TC); Temp +                              |                       |  |  |
| In addition, Turbidity <10 NTU or 3 successive readings +/- 10%  |   | - v- (                                    |                       |  |  |
| BOTTLES FILLED PRESERVATIVE CODES:  A - None B - HNO3 C - H-SO4 D - NaOH F - HCI   | E Ne O C  |   |                       |  |  |
| Number Size Type Preservative Filtered Number Size   | F- Na <sub>2</sub> S <sub>2</sub> O <sub>2</sub>  | Preservative                              | Filtered              |  |  |
| 5 40 mL Giass E □Y ⊠ N 2 1000 mL   | Glass   | С   | □Y⊠N                  |  |  |
| 1 40 mL Glass A □Y ⊠ N 2 1000 mL   | Amber   | F   | □Y⊠N                  |  |  |
| 1 40 mL Glass C □Y ☑N 2 1000 mL  | Airiboi   |   |                       |  |  |
| 1 120 mL Plastic F □Y ⊠ N  | Plastic   |   | □Y⊠N                  |  |  |

| REV 07/02                        |
|----------------------------------|
| FORMS\FIELD FORMS\NEW H20LOG.DOC |

AIRBILL NUMBER:

CHAIN-OF-CUSTODY NUMBER: 0096856 DATE SHIPPED:

SIGNED:



|               |                                       |                 | ***          |             |                 |                          | <b>.</b>   |            |                               |
|---------------|---------------------------------------|-----------------|--------------|-------------|-----------------|--------------------------|------------|------------|-------------------------------|
| PROJECT       | NAME                                  |                 | PREPAR       | RED         |                 | CHECKED                  |            |            | PROJECT NO.                   |
| L.E. Carpe    | enter – Whartor                       | n, NJ           | Ву: ЈО       |             | Date: 7 27/0    | S By: EES                | Date:      | Plos       | 6527.10                       |
| SAMPLE I      | TERIAL: P                             | 7               | ☐ Iron       |             | Other           | 2"                       | Other      |            |                               |
| - PU          | RGING .                               | TIME: <u>[3</u> | 33           |             | 27/05           | KSYMPILE:                | TIME: L    |            | DATE: 7/27/0                  |
| -             | LUME: 6.2<br>DLUME REMO               |                 | Liters Gallo | ns 🔀 Lite   | ers COI         | 7.07 SU<br>ND. 1829umhos |            | 3 mg/L     | D.O. O.O ma/L                 |
| METHOD        | ☐ Bailer.                             | ⊠ Pun           | p. Bladde    |             | TUF             | RBIDITY: 2 1             | NTU ORP    | 147 mV     | Alk mg/L                      |
| DEPTH TO      | D WATER: 9.5                          | 1.52 T/OC       | +01          | <del></del> |                 | DR: 🔀 None F             |            |            | OLOR: Clear<br>oderate   Verv |
| ODOR:         | None ☐ Oth<br>Y: <b>X</b> None        | er              | COLO         |             |                 | TRATE (0.45 µr           |            | No         |                               |
| COMMEN        |                                       |                 | *****        |             |                 | DLOR:<br>MMENTS:         | ,          |            |                               |
| rag salayet i | ikaRurge Rate⊈i                       | Figure 1        | Tarroldky A  | OEF (       | Dissolved       | Concuctivity             | emcerature | Water Leve | Cumulative                    |
| Time          | (gal or<br>mL/min)                    | (ŠU)            | (NTU)        | (mV)        | Oxygen = (mg/L) | umnos/cm<br>(Conected)   | : (°C)     | (0:D1:ft)  | Purge Volume                  |
| 333           | 500                                   | 7.15            | 2            | 162         | 0.1             | 830                      | 19.06      | 9.51       | Initial                       |
| 338           | <del></del>                           | 7.05            | 2            | 148<br>149  | 0.1             | 1820                     | 18.81      | 9.51       | 2.5                           |
| 343           |                                       | 7.06            | <u>3</u>     | 148         | 0.0             | 1830                     | 18.60      | 9.55       | 5.0<br>7.5                    |
| 353           | <b>V</b>                              | 7.07            | 2            | 147         | 0,0             | 1820                     | 18.86      | 9.54       |                               |
|               |                                       |                 |              |             | 2.45gink        |                          |            |            |                               |
|               | · · · · · · · · · · · · · · · · · · · |                 | <del></del>  |             |                 |                          |            |            |                               |

Stabilization complete when <u>3 successive readings</u> w/in the following limits: pH +/- 0.1 SU; Cond +/- 20 (TC); Temp +/-5° C In addition, Turbidity <10 NTU or 3 successive readings +/- 10%

| <b>B</b> 0 | erieskeil | LED.    | PRESERVATI   |          | I-SO4 D - N | AOH F.HC | F- Na-S-O- |                |          |
|------------|-----------|---------|--------------|----------|-------------|----------|------------|----------------|----------|
| Number     | Size      | Туре    | Preservative | Filtered | Number      | Size     | Type       | Preservative . | Filtered |
| 5          | 40 mL     | Glass   | E            | □Y⊠N     | 2           | 1000 mL  | Glass      | С              | □Y⊠N     |
| 1          | 40 mL     | Glass   | Α            | □Y⊠N     | 2           | 1000 mL  | Amber      | F              | □Y⊠N     |
| 1          | 40 mL     | Glass   | С            | □Y⊠N     | 2           | 1000 mL  | Plastic    | Α              | □Y⊠N     |
| 1          | 120 mL    | Plastic | F            | □Y⊠N     |             |          |            |                |          |

| CHAIN-OF-CUSTODY N | UMBER: 009685 | DATE SHIPPE | D: 7 27  | DS METHOD: | Fed Ex  |
|--------------------|---------------|-------------|----------|------------|---------|
| AIRBILL NUMBER:    | MA            | SIGNED: _   | Drenoord | Le DATE: _ | 7/27/05 |



| PROJECT           | NAME                   |                       | PREPA                  | RED.                                  |                                       |                   | CHECKED                   |                             | · · · · · · · · · · · · · · · · · · ·  | PROJECT NO.                |
|-------------------|------------------------|-----------------------|------------------------|---------------------------------------|---------------------------------------|-------------------|---------------------------|-----------------------------|--|----------------------------|
|                   | enter – Whart          | on NJ                 | By: JO                 |                                       | Date: 7                               | 127105            |                           | Date:                       | <del>7 7  </del>   | 6527.10                    |
| L.L. Garpe        | JANOT WITHOUT          |                       |                        |                                       | Date.                                 | כטנו מן           | Ly. ELS                   | Date.8                      | 3/18/05  | 0527.10                    |
| SAMPLE            | NO.: <b>MW</b>         | -19-7 L               | ower wi                | ELL DIAM                              | VETER:                                | <b>7</b> 2'       | ☐ 4" ☐                    | Other                       | -  | <del></del>                |
|                   | TERIAL:                | 7                     | S Iron                 |                                       | Other                                 | <del>.</del><br>  |                           |                             |  |                            |
| SAMPLE:           | TYPE: [                | <b>X</b> GW [         | Jww 🗆                  | SW                                    | ☐ DW                                  | ☐ Lead            | chate O                   | ther                        |  |                            |
| Би                | eging :                | TIME:                 | u30 г                  | DATE: "                               | 127/0                                 |                   |                           | TIME:                       | 1450   | DATE TIPOLE                |
|                   |                        | <b>福尼亞</b>            |                        | 47.1E-                                | 4-1/03                                |                   | SAMPLE:                   |                             | <u> </u>   | DATE: 7/27/0               |
|                   | LUME: 6.9<br>DLUME REM |                       | s ∏ Liters<br>☐ Galloi | ne   🔽                                | itoro                                 |                   | 7,63 su<br>2,267 (2mhos/  |                             | 1.760   1<br>e <b>7/0</b> mg/L   | 0.0.0.8 ma/l               |
|                   | □ Bailer,              |                       | ump, Bladde            | · · · · · · · · · · · · · · · · · · · | ILEIS                                 |                   |                           |                             | 90 mV  | Alk 95 mg/L                |
|                   | OWATER: 9              |                       |                        |                                       |                                       | 1                 | R: M None                 |                             |  | DLOR: CLC                  |
| • •               | D BOTTOM: 1            |                       |                        |                                       | · · · · · · · · · · · · · · · · · · · | TURE              | BIDITY: NO                | one DVSlic                  | aht Mo   | derate                     |
|                   | None □ O               |                       |                        | DR: ta                                |                                       |                   | ATE (0.45 μη              |                             | No _   | <del></del>                |
| COMMEN            | Y: □ None<br>TS        | Sliaht                | ☐ Moder                | ate i i                               | Verv                                  | COL               | DR: ☐ None                | I I Other                   |  |                            |
|                   | L METHOD: [            | ☐ Ground [            | ☑ Drum ☐ (             | Other                                 |                                       |                   | MENTS:                    |                             |  |                            |
| Tagger Constant 1 | Figure Profession      |                       |                        | Santa Composition                     | Salagona e contro                     |                   |                           | SOUND COMPANY OF THE STREET | ECONOMINATION AND INVESTIGATION AND INCIDENTIAL AND INCIDENTIA |                            |
| Time              | Purge Rate<br>(gal or  | pH<br>(SU)            | Turbidity<br>(NTU)     | ORP (mV)                              | Dissol Oxyg                           | jen .             | Conductivity<br>jumnos/cm | Temperature (°C)            | Water Level<br>(0.01 ft)   | Cumulative<br>Purge Volume |
| 1430              |                        | 7-10                  | 51                     | 130                                   | (mg/                                  | -water            | (Corrected)               | 15,11                       | 9.20   | (L)                        |
| 1435              | 1                      | 7.03                  |                        | 101                                   | 0.5                                   |                   | 2670                      | 14,99                       | 9.17   | 2,5                        |
| 1440              |                        | 7,03                  | . 19                   | 97                                    | 0.5                                   |                   | 2670                      | 14.82                       | 9.17   | 5.0                        |
| 1475              |                        | 7.05                  | 17                     | 94                                    | 0.                                    |                   | 2680                      | 14.79                       | 9.17   | 7.5                        |
| 7930              |                        | 7.03                  | 1 17                   | 90                                    | 6.                                    | 8                 | 2670                      | 14.76                       | 9.17   | 10.0                       |
| -                 |                        |                       |                        |                                       |                                       |                   |                           |                             |  |                            |
|                   |                        |                       |                        |                                       |                                       |                   |                           | <del></del>                 |  |                            |
|                   |                        |                       |                        |                                       |                                       |                   |                           |                             |  |                            |
| tabilia eti e e   | طنن مقوا سسوم          |                       |                        | · · · · · · · · · · · · · · · · · · · |                                       |                   |                           |                             |  |                            |
| addition,         | Turbidity <10          | NTU or 3 su           | ccessive reading       | gs win ti<br>dings +/-                | ne tollowi<br>10%                     | ng limits         | pH +/- 0.1 SU             | ); Cond +/- 20              | (TC); Temp   | +/-5° C                    |
| PAT               |                        |                       | *DDEOEDVA              | TIVE 00                               |                                       |                   | 1                         | <del></del>                 |  |                            |
|                   | TLESFIL                | residentia. Pelisis V |                        | B - HNO3                              | DES:<br>C - H <sub>=</sub> S          | 04 D-             | NaOH F - HCI              | F- Na-S-O-                  | ·  |                            |
| Number            | Size                   | Туре                  | Preservative           | Filt                                  | ered                                  | Number            | Size                      | Туре                        | Preservative   | Filtered                   |
| 5                 | 40 mL                  | Glass                 | E                      | □Y                                    | ⊠ N                                   | 2                 | 1000 mL                   | Glass                       | C  | □Y⊠N                       |
| 1                 | 40 mL                  | Glass                 | Α                      | ΠY                                    | ⊠N                                    | 2                 | 1000 mL                   | Amber                       | F  | □Y⊠N                       |
| 1                 | 40 mL                  | Glass                 | С                      | □Y                                    | ⊠ N ⊠                                 | 2                 | 1000 mL                   | Plastic                     | Α  | □Y⊠N                       |
| 1                 | 120 mL                 | Plastic               | F                      | - P                                   | ⊠ N                                   | · · · · · · · · · | 1                         |                             | ,  |                            |
|                   | <del>"</del>           |                       |                        |                                       |                                       | <u>i</u>          | <u>. [</u>                |                             |  |                            |
| HAIN-OF-CU        | JSTODY NUM             | BER: 009              | 6856 DAT               | TE SHIPP                              | ED:                                   | 7/2               | 7/05                      | METHOD:                     | Fod E  | ×                          |
| IRBILL NUM        |                        | MÀ                    |                        |                                       |                                       |                   |                           |                             | -12-1  |                            |
| HOILL NUM         | DER                    | INLI                  | SIG                    | NED:                                  | 401                                   | emo               | NO.                       | DATE:                       | 7/57/0   | 5                          |

PROJECT NO.



PROJECT NAME

## **WATER SAMPLE LOG**

CHECKED

PREPARED

| L.E. Carp   | enter – Whar                                     | ton, NJ            | By: JO   | Date                                  | :7/27/05                | By: PES  | Date:  | 8/18/65   | 6527.10                               |
|---|--|--------------------|--|---------------------------------------|-------------------------|--|--|---|---------------------------------------|
| SAMPLE  | NO.: RB-   | 01                 | WE   | LL DIAMETER                           | તે: □ 2"                | ☐ 4" <b>X</b>  | Other  |   | •                                     |
| WELL MA   | ATERIAL: 🔲                                       | PVC 🗆              | SS 🔲 Iron  | ) Othe                                | r                       | Γ  |  | _   |                                       |
| SAMPLE  | TYPE: [  | ⊒ GW               | □ww □s   | SW 🗆 DW                               | / Leac                  | hate 🕱 Otl   | ner  |   |                                       |
| *   | The say on the hours of the first of the         | e usaki            |  |                                       | Indinis - and Make Make | Martin Denot and Commence and C | Secretary and the secretary an |   |                                       |
| PU  | IRGING   | TIME:              | D  | ATE:                                  |                         | SAMPLEA:   | TIME:  | 1645  | DATE: <b>7/27/0</b>                   |
| WELL VO   | DLUME:   | ☐ Gallor           | ns 🗆 Liters                                      |                                       | :Ha                     | SU   | ТЕМР.  | °C  | D.O                                   |
|   |  |                    |  |                                       | COND                    | . umhos/c  | m Ferr. F  | e mo/L  | CO <sub>2</sub>                       |
|   |  |                    | Ming. Bladder                                    |                                       |                         |  |  | 1011  |                                       |
|   |  | 77                 | M-   |                                       |                         |  |  |   |                                       |
|   |  |                    | COLO   | D.                                    |                         |  |  |   | derate IIVer                          |
|   |  |                    |  |                                       | _                       |  |  | J NO  | · · · · · · · · · · · · · · · · · · · |
|   |  |                    |  |                                       |                         |  | i i Ottiei   |   |                                       |
| DISPOSA   | L METHOD:  | ☐ Ground           | ⊠ Drum □ C                                       | Other                                 | 1                       |  |  |   |                                       |
|   | Pirme Rate                                       |                    |  | riis da arabamia                      | n havioa                | and refivity   | Transportation   | المارية والمواجد والمواجد والمارية                |                                       |
| Time  | (gal or  |                    | Turbidity<br>(NTU)                               | (m\/) O                               | xygen                   | umhos/cm   |  |   |                                       |
| 1645  |  |                    |  | 4771. Tibble 40                       | ng/L) (                 | Corrected)   |  |   | (L)                                   |
| 160   | IVI  |                    |  |                                       |                         |  |  |   | iniuai                                |
| ·   |  | by                 | cunning  | a triale                              | distille                | d wase   | - throng   | ala Dua   | ما                                    |
|   |  |                    |  |                                       |                         |  | .,,,,,,,,  | To Pass   |                                       |
| •   |  |                    |  |                                       |                         |  |  |   |                                       |
|   |  | <b>_</b>           |  |                                       |                         |  |  |   |                                       |
|   |  |                    |  | · · · · · · · · · · · · · · · · · · · |                         |  | <del></del>  |   |                                       |
|   |  |                    | +  |                                       |                         |  | · · · · · · · · · · · · · · · · · · ·  |   |                                       |
|   |  |                    | +  |                                       |                         |  |  |   |                                       |
| tabilizatio   | n complete wi                                    | hen <u>3 succe</u> | ssive reading                                    | s w/in the follo                      | owina limits:           | pH +/- 0.1 SU  | : Cond +/- 2   | (TC): Temr  | ) +/-5° C                             |
| addition,   | Turbidity <10                                    | NTU or 3 s         | uccessive read                                   | lings +/- 10%                         | <b>J</b>                |  | ,  | · ( / • / ) · • • • • • • • • • • • • • • • • • • | , ,, ,                                |
| ROT   | THEQEIL  |                    | PRESERVAT  | TIVE CODES:                           |                         | · · · · · · · · · · · · · · · · · · ·  |  |   |                                       |
| 1-1-2-3-3-3-1-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4   |  |                    | A - None B                                       | -HNO3 C-I                             |                         |  | 1  |   | . 7                                   |
|   |  |                    | <del>                                     </del> |                                       |                         |  | <del>                                     </del>   | Preservativ                                       |                                       |
|   |  |                    |  |                                       | <del></del>             |  | Glass  | С   | □Y⊠N                                  |
| 1<br>   | <del>                                     </del> | Glass              |  | □Y ⊠ N                                | 2                       | 1000 mL  | Amber  | F   | □Y ⊠ N                                |
| 1   | 40 mL  | Glass              | C·   | □Y⊠N                                  | 2                       | 1000 mL  | Plastic  | Α   | □Y⊠N                                  |
| 1   | 120 mL   | Plastic            | F  | □Y⊠N                                  |                         |  |  |   |                                       |
|   |  |                    | Α.   |                                       |                         |  | <u> </u>   | · · · · · · · · · · · · · · · · · · ·             | I                                     |
| HAIN-OF-C   | USTODY NUM                                       | BER: 00            | 96865 DATE                                       | E SHIPPED:                            | 7/27/                   | 02   | METHOD:  | Fed   | Ev                                    |
| SAMPLE NO.: (8-0)   WELL DIAMETER:   2'   4'   10 Other    WELL MATERIAL:   PVC   SS   Iron   10 Other    SAMPLE TYPE:   GW   WW   SW   DW   Leachate   10 Other    PURGING   TIME:   DATE:   DATE:   TIME:   DATE:   DATE: |  |                    |  |                                       |                         |  |  |   |                                       |
| TIDIEL NON  | MDLN   |                    | SIGN   | AED:                                  | wen                     | DON CAR  | DATE:  | 11210   | 5                                     |
|   | ORMS\NEW H20L0                                   | OCDOC              |  | P:\LECA                               | RPENTER\LE C            | ARPENTER- NICK\  | MONITORING\G   | W MONITORING                                      | PROTOCOL & FIELD                      |



Acet. # Group# Sample #

COC # 0096862

| 1  | Pi                 | ease print. Inst  | ruction  | ns on r       | everse         | side               | corre        | spond         | l with c | ircled       | numbe                                 | ers.           |                          |        | • /           |               |  | ŧ                   |                                      |                |
|--|--------------------|---|----------|---------------|----------------|--------------------|--------------|---------------|----------|--------------|---------------------------------------|----------------|--------------------------|--------|---------------|---------------|--|---------------------|--------------------------------------|----------------|
| Client: RYOT Inc.  | Acct.#:            | THE TOTAL STEEL | ieeeeeee |               | Mat            | - 5 C G. T         | 4            | d part parter | (5       | \ /          | ilia                                  | ent mon        | Anal                     | yses   | Rec           | ques!         | ted  | / For La            | ıb Use O                             | nly            |
| Project Name/#: LE Corperter 600   | 7.10 PWSID         | #:  |          |               | Check if       |                    | T.           |               | .(-      | 1            | /_                                    |                | 7                        | 7      | $\overline{}$ | 7             | ////   | FSC:_<br>SCR#       | 120                                  | 5627           |
| Project Manager: Nick Clove + 1  | P.O.#:             |   |          |               | Chec           |                    | <u>စ</u>     |               | ,        | /            | OKHD                                  |                | E                        |        |               |               | // <i>F</i>  |                     |                                      | (6)            |
|  |                    |   |          |               | Potable        | S S                | Containers   |               |          | 1/2          | ¥/                                    | 7              | /,-/                     | /      | / /           | / /           | / / /  |                     |                                      | ss et          |
|  | Quote #            | f:  |          | [             | Octa           |                    |              |               |          | 10           | 1/2                                   | $\int_{1}^{t}$ | 7                        |        |               |               |  |                     |                                      | amp            |
| Name of state where samples were collecte  | ı: <u>M 7</u>      |   | (3)      | 2             | 6              |                    | Į,           |               |          | \\vartheta\/ | / <del>/-</del> /                     |                | To a                     | /      | /             | 10            | / /  |                     |                                      | Of 18          |
| 2)<br>Sample Identification  | Date<br>Collected  | Time<br>Collected   | Grab (   | Composite     | Soil           | Other              | Total # of ( |               | XU SOLU  |              |                                       |                |                          |        |               |               | Remarks  |                     |                                      | Temperature o  |
| 5W-R-1   | 7/25/05            | 1723  | X        | en dejden gad | X              | a de la companyone | 5            | Χ             | X        | Same and     | Taxanar F                             | aneone.        | emplante estate.         |        | Para ra       | · ·           | es de marcas successos successos en en estadores en el componencia en el componencia en el componencia en el c | STERRESTERMENT (See | ಗರ್ವುಹರ್ ನಡೆಗೆ ಸಂಭವಿಗಳಿತು:<br>-      | en all desired |
| SW-R-Z   |                    | 1730  | X        |               | $-\frac{1}{X}$ |                    | 5            | <br>j         | X        |              |                                       | *              |                          |        | <b> </b>      | <del> </del>  |  |                     | and the second section of the second |                |
| SW - R - 5   |                    | 1510  | X        |               | $-\frac{1}{X}$ | -                  | 5            |               | (        |              |                                       |                |                          | ļ      |               | <u></u>       |  |                     |                                      |                |
| SW - R - 3   |                    | 1740  | X        |               | $\frac{1}{X}$  | -                  | 5            |               | 1        |              |                                       |                |                          |        | <del> </del>  | $\vdash$      |  |                     |                                      |                |
| 5W-R-4   |                    | 1755  | X        |               | $\frac{1}{X}$  |                    | 5            | t             | 1        |              |                                       |                |                          |        |               | <del> </del>  |  |                     |                                      |                |
| 5W-D-2   | Trolos             | 730   | j        |               | $\frac{1}{2}$  |                    |              | <u> </u>      | 17       |              |                                       |                | -                        |        |               |               |  |                     |                                      |                |
| 3W-D-3   | 7                  | 730   | I        |               | 1              |                    |              |               | H        |              |                                       |                |                          |        |               |               |  |                     |                                      |                |
| DW but   |                    | 715   |          |               |                |                    | 1            | V             | 1        |              |                                       |                | 1                        | 1      |               |               | <u> </u>   |                     |                                      |                |
| and the same of th | 10                 | 1000  |          | X             |                |                    | M            |               |          |              | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | X              | - X                      | ) dis- | X             |               |  |                     |                                      |                |
|  |                    |   |          | T             |                |                    |              |               |          | <u></u>      |                                       | •              |                          |        |               |               | <u> </u>   |                     |                                      |                |
| Turnaround Time Requested (TAT) (please (Rush TAT is subject to Lancaster Laboratories at Date results are needed:   |                    |   |          | Reling        | pishe          | d/by:              |              |               |          |              | Date                                  | e/             | Time                     | Reg    | ceive         | id by:<br>N⊕∧ | neade  |                     | Date                                 | Time (         |
| Rush results requested by (please circle):  Phone #:Fax #:   |                    |   |          | Relind        | uishe<br>VEN   | d by:<br>်င်္      | <u>,c(</u>   | Ĺ             |          |              | Date /26/                             |                | Time<br>/O <sup>17</sup> | Red    | celve         | d by:         | Charles  | 7/2                 | Date                                 | Time           |
| E-mail address:  |                    |   |          |               | juishe         |                    |              |               |          |              | Date                                  | e              | Time                     | Rec    | eive          | d by:         | :  | 1                   | Date                                 | Time           |
| Data Package Options (please circle if requir  |                    | G Complete  |          |               |                |                    |              | <del></del>   |          |              |                                       | $\perp$        |                          |        |               |               |  |                     |                                      | <u> </u>       |
| QC Summary Type VI (Raw Data) Type I (Tier I) GLP Site-specific  | QC required? Ye    | es No   | [!       | Relinq        | luishe         | d by:              |              | •             |          |              | Date                                  | е              | Time                     | Red    | ceive         | d by          | Y  |                     | Date                                 | Time           |
| 1  | C sample and submi |   | "        |               |                |                    |              |               |          |              |                                       |                |                          | L      |               |               |  |                     |                                      |                |
|  | of Custody requ    |   |          | Relinq        | luishe         | d by:              |              |               |          |              | Date                                  | е              | Time                     | Red    | ceive         | d by:         | :  |                     | Date                                 | Time           |
| Type IV (CLP)  |                    |   |          | ~ .           |                |                    |              |               |          |              |                                       |                |                          |        |               |               |  |                     |                                      |                |



Acct. # Group# Sample #

COC # 0096860

|  |                   | ase print. Instru  |            |           | reve              | rse s                  | ide c    | orre       | spond                  | with ci         | rcled           | numbe          | ers.     |            |      |             |                   |                         |                |         |      | · · · · · · · · · · · · · · · · · · · |                             |
|--|-------------------|--|------------|-----------|-------------------|------------------------|----------|------------|------------------------|-----------------|-----------------|----------------|----------|------------|------|-------------|-------------------|-------------------------|----------------|---------|------|---------------------------------------|-----------------------------|
| Client: NTT Inc.   | Acct.#:           | TO COMMENT AND THE STREET AND THE ST |            |           |                   | (latri)                |          | 1          | it. Arki atitures i in | (5              | ) Z             |                |          | Analy      | /ses | Regi        | uest              | ed                      |                |         |      | b Use O                               |                             |
| Project Name/#: LE Corperter 6527.1  | O PWSID           | #:   |            |           |                   | Check if<br>Applicable |          |            |                        | C               | /               |                | /        | 10         |      |             |                   |                         |                |         | SCR# |                                       |                             |
| Project Manager: Nick Stock+   |                   |  |            |           | JAN<br>Na<br>Sand | A do                   |          | ers.       |                        |                 |                 | ( <del>-</del> | /        | 12/        | / /  | / /         | / ,               | / ,                     | //             | <i></i> |      |                                       | 6                           |
| Sampler: 10 Over vurde   |                   |  |            |           |                   | otable<br>PDES         |          | Containers |                        |                 | 13              |                | K        | $\hat{s}/$ |      |             |                   |                         |                |         |      | v.                                    | nples<br>uestec             |
| Name of state where samples were collected:  | EU                | [  | (3)        | \$        |                   | Potable NPDES          |          | f Cor      |                        | / /             | [Z              | /f             | /in      |            | / ,  | / /         | $\omega$          |                         |                |         |      | .3                                    | of sar                      |
| Sample Identification  | Date<br>Collected | Time<br>Collected  | Grab (     | Composite | Soil              | Water                  | Other    | Total#o    | 150                    | X Jacky         | NH N            |                |          |            |      |             | 2/                | R                       | emar           | ks      |      | Section 18 of Principal               | Temperature<br>upon receipt |
|  | 7/24/05           | 1006   | X          |           | 2 2 2 2 1         | X                      |          |            | χ-                     | J. 100 May 25 T | TO THE TOTAL TO |                | 37341200 |            |      | $\geq$      | * 3-4 EF/X * 3.54 | 10.000.00               | and the second |         |      |                                       |                             |
| MW-19-10   | 7                 | 1228   | 1          |           |                   | 1                      |          |            | χ                      | <u></u>         |                 |                |          | -          |      | >           |                   |                         |                |         |      |                                       |                             |
| MW-19-6  |                   | 1505   |            |           |                   | 1                      |          |            | λ-                     |                 | ·····           |                |          |            |      | >           |                   | 1                       |                |         |      |                                       |                             |
| Atm-01   | $\checkmark$      | 1515   |            |           |                   |                        |          |            | Х~                     |                 |                 |                |          |            |      | >           |                   |                         |                |         |      |                                       |                             |
| Dup-01   |                   |  | T          |           |                   | T                      |          |            | 4                      |                 |                 |                |          | -          |      | >           |                   |                         |                |         |      |                                       |                             |
|  | 176/05            | 1620   |            |           |                   | 1                      |          |            | x                      |                 |                 |                |          |            |      | <b>&gt;</b> |                   | -                       |                |         | A    |                                       |                             |
| MW-19-5  | T,                | 1825   |            |           |                   | t                      |          |            | X -                    |                 |                 |                |          | -          |      | >           |                   |                         |                |         | -    |                                       |                             |
| the blank  |                   |  |            |           |                   | X                      |          |            | Х                      |                 |                 |                |          |            |      |             |                   |                         |                |         |      |                                       |                             |
|  |                   | -  |            |           |                   |                        |          |            |                        |                 |                 |                |          |            |      |             |                   |                         |                |         |      |                                       |                             |
|  |                   |  | ,          |           |                   |                        |          |            |                        |                 |                 |                |          |            |      |             |                   |                         |                |         |      |                                       |                             |
| Turnaround Time Requested (TAT) (please cire) (Rush TAT is subject to Lancaster Laboratories approved Date results are needed: | •                 |  |            | Relin     | iquis<br>O        | shed<br>Ur             | by:<br>₩ | ن،ار       | Q                      |                 |                 | Pate<br>1140   | e<br>√a  | Time       | Rec  | eive        | by:               | $\mathcal{E}_{\lambda}$ |                |         |      | Date                                  | Time (                      |
| Rush results requested by (please circle): Pho Phone #: Fax #:   |                   |  |            | Relin     | quis              | shed                   | by:      |            |                        |                 |                 | Date           | е        | Time       | Red  | eive        | d by:             |                         |                |         |      | Date                                  | Time                        |
| E-mail address:  |                   |  |            | Relin     | ıquis             | shed                   | by:      |            |                        |                 |                 | Date           | е        | Time       | Rec  | eive        | by:               |                         |                |         |      | Date                                  | Time                        |
| Data Package Options (please circle if required)   |                   | G Complete?  |            |           |                   |                        |          |            | ·                      |                 |                 |                |          |            |      |             |                   |                         |                |         |      |                                       |                             |
| QC Summary Type VI (Raw Data)  |                   | es No  | 4          | Relin     | quis              | shed                   | by:      |            |                        |                 |                 | Date           | e        | Time       | Rec  | eive        | d by:             |                         |                |         |      | Date                                  | Time                        |
| Type I (Tier I)  GLP Site-specific QC re  Type II (Tier II)  Other (If yes, indicate QC sar                                    | •                 |  | , <u> </u> |           |                   |                        |          |            |                        |                 |                 |                | $\dashv$ |            |      |             |                   |                         |                |         |      | <del>  </del>                         |                             |
| Type III (NJ Red. Del.) Internal Chain of (  |                   |  |            | Kelin     | quis              | shed                   | by:      |            |                        |                 |                 | Date           | e        | Time       | Rec  | eive        | d by:             |                         |                |         |      | Date                                  | Time                        |
| Type IV (CLP)  |                   |  |            |           |                   |                        |          |            |                        |                 |                 |                |          |            |      |             |                   |                         |                |         |      |                                       |                             |



|        |  |        | .*                               | *****      | ·   |
|--------|--|--------|----------------------------------|------------|---|
| cct. # |  | Group# | :                                | Sample #   |   |
|        | Proceedings of the second seco | Citabi | The Marie State of Later Company | wenther in | and the final formation of the state of the |

COC # 0096859

|  | Acct.#:           | -                 |                |             | Mat           |          | $\overline{\Lambda}$  |          | (5                    | \ /         |   | 15. The   | Anal         | yses          | Req         | uest             | ed / For  | Lab Use O                           |               |
|--|-------------------|-------------------|----------------|-------------|---------------|----------|-----------------------|----------|-----------------------|-------------|---|-----------|--------------|---------------|-------------|------------------|---|-------------------------------------|---------------|
| Project Name/#:LE Companies   652  | 7.10 PWSID        | #:                |                | h's         | Check if      |          | Ţ                     |          | (3                    | 7/          | 1   | /         |              | /             | /           | /                | FSC SCF   | ):<br>{ #:                          |               |
| Project Manager: NICK CIRVETE  | PO#               |                   |                | 7           | Chec          | <b>2</b> | 2                     |          |                       | / ,         | (DEHP)  |           | 12           |               | /           |                  | ///   |                                     | (6)           |
| Sampler: J. Overvurde  |                   |                   |                | —           | <u>e</u>      | 2 ·      | Ime                   |          |                       |             | 2 /   | /         | //_/         |               | ′ /         | / /              | ′ / /   |                                     |               |
|  |                   |                   |                | _ [         | Stal          | <u>}</u> | 12                    |          |                       | /10         | - 1/2   | 10        | ? /          |               |             |                  |   |                                     | jd m          |
| Name of state where samples were collected   | 1: NZ             |                   | (3)            | iğ.         | ☐ Potable     |          | )<br>Je               | /        | $^{\prime}_{	imes}$ / | /%<br>/     | ′ ~ /   | 1         | / /          | /             | /           | [(2)<br>[(0)     |   | V                                   | e of samples  |
| 2)<br>Sample Identification  | Date<br>Collected | Time<br>Collected | Grab (©)       | Compo       | Water         | Other    | Total # of Containers |          |                       |             |   | 5   E     |              |               |             | 3/2              | Remarks   |                                     | Temperature   |
| MW-19-9D   | 7/27/05           | 877               | Х              |             | ĺχ            |          | 5                     | λ.       | Х                     | annestran   |   | 382       |              | A 100 100 112 | FIRM LETTON | X                | ARCHITECTURE ACTION ACTION  | and the second second second second | and the later |
| MW-19-1  | 7/27/05           | 920               | X              |             | X             | +-       | 14                    | Ϋ́       | Y.                    | X           | <del>  ,                                   </del> | Σ.        | · k          |               | X           | X                |   |                                     |               |
| MW-19-11/5/1050  | 1/27/05           | 970               | ×              |             |               |          | ि                     |          | X                     | 1/2         |   |           | <del> </del> |               | <u>7</u>    |                  | hall coal.  |                                     |               |
|  | 11.7.2            | :                 |                |             | $\frac{1}{V}$ |          |                       | <u> </u> | <u> </u>              | ^           |   |           | 1            |               | j v         |                  | NH3 (my)  |                                     |               |
| · · · · · · · · · · · · · · · · · · ·  |                   |                   |                |             |               |          |                       |          |                       | †           |   |           |              |               |             |                  | <u> </u>  |                                     |               |
|  |                   |                   |                |             |               |          |                       |          |                       |             |   |           |              |               |             |                  | de la companya de la |                                     |               |
|  |                   |                   |                |             | -             | -        |                       |          |                       |             |   |           |              |               |             |                  | ď.  |                                     | <del></del>   |
|  |                   |                   |                |             | -             | -        | -                     |          | ·                     |             |   |           |              | -             |             |                  |   |                                     |               |
|  |                   | 1                 |                |             | _             | -        |                       |          |                       |             |   |           |              |               |             |                  |   |                                     |               |
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| Type I (Tier I) GLP Site-specific QC                 |                                       |                  | [             | /CIII          | iquis  | , iCU                  | <b>.</b> y . |               |             |  |         | Dall         |                                     | 111111111111111111111111111111111111111 | 1,66     | CCIVE               | u by.                       |                                       |                            |             |  | Jaic               | 11116           |
| Type II (Tier II) Other (If yes, indicate QC sa      |                                       |                  |               | Relin          | quis   | shed                   | by:          |               | <del></del> |  |         | Date         | e                                   | Time                                    | Red      | ceive               | d bv:                       |                                       | •                          |             |  | Date               | Time            |
| Type III (NJ Red. Del.) Internal Chain of            | Custody requ                          | ired? Yes N      | lo l'         |                | . 1    |                        | <b>,</b>     |               |             |  |         |              | -                                   |   |          |                     | _ <b>~ y</b> .              |                                       |                            |             | .  |                    |                 |
| Type IV (CLP)  |                                       |                  |               |                |        |                        |              |               |             |  |         | <u> </u>     |                                     |   | L        |                     |                             |                                       |                            |             |  | -                  |                 |

# Appendix D 3<sup>rd</sup> Quarter 2005 Laboratory Analytical Report



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17805-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

#### ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

#### **SAMPLE GROUP**

The sample group for this submittal is 952747. Samples arrived at the laboratory on Tuesday, July 26, 2005.

Client Description
Trip Blank Water Sample

Lancaster Labs Number

4570663

#### **METHODOLOGY**

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

RMT, Inc.

1 COPY TO

Data Package Group

Attn: Nicholas J. Clevett



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17608-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Dana M. Kauffman

Manager



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4570663

Trip\_Blank Water Sample L.E. Carpenter, NJ

Collected: n.a.

Account Number: 09322

Submitted: 07/26/2005 13:40 Reported: 07/29/2005 at 20:36

Discard: 08/29/2005

RMT, Inc. PO Box 8923

Madison WI 53708-8923

LECTB SDG#: LEC48-09TB\*

| CAT<br>No. | Analysis Name  | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602) |            |                       |   |       |                    |
| 05538      | Total Xylenes  | 1330-20-7  | N.D.                  | 0.6   | ug/1  | 1                  |
| 07029      | Benzene        | 71-43-2    | N.D.                  | 0.2   | ug/l  | 1                  |
| 07030      | Toluene        | 108-88-3   | N.D.                  | 0.2   | ug/l  | 1                  |
| 07031      | Ethylbenzene   | 100-41-4   | N.D.                  | 0.2   | ug/l  | 1                  |

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

| CAT   |                |         | Analys          | Ls      |                      | Dilution      |
|-------|----------------|---------|-----------------|---------|----------------------|---------------|
| No.   | Analysis Name  | Method  | Trial# Date and |         | Apalyst              | <b>Factor</b> |
| 08238 | BTEX (EPA 602) | EPA 602 | 1 07/28/200     | 5 17:03 | K. Robert Caulfeild- | 1             |



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Page 1 of 1

#### Quality Control Summary

Client Name: RMT, Inc.

Group Number: 952747

Reported: 07/29/05 at 08:36 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

#### Laboratory Compliance Quality Control

| Analysis Name           | Blank<br><u>Result</u> | Blank<br>MDL | Report<br><u>Units</u> | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br><u>Limits</u> | RPD | RPD Max |
|-------------------------|------------------------|--------------|------------------------|-------------|--------------|---------------------------|-----|---------|
| Batch number: 05209A36A | Sample n               | umber(s):    | 4570663                |             |              |                           |     |         |
| Total Xylenes           | N.D.                   | 0.6          | ug/1                   | 109         | 110          | 82-120                    | 1   | 30      |
| Benzene                 | N.D.                   | 0.2          | ug/l                   | 107         | 108          | 86-119                    | 1   | 30      |
| Toluene                 | N.D.                   | 0.2          | ug/l                   | 114         | 114          | 82-119                    | 0   | 30      |
| Ethylbenzene            | N.D.                   | 0.2          | ug/l                   | 108         | 109          | 81-119                    | 1   | 30      |

#### Sample Matrix Quality Control

| Analysis Name  | *REC                               | REC    | Limits   | RPD | MAX | Conc | Conc | RPD | Max |
|--|------------------------------------|--------|--|-----|-----|------|------|-----|-----|
| Batch number: 05209A36A<br>Total Xylenes<br>Benzene<br>Toluene<br>Ethylbenzene | Sample<br>110<br>108<br>111<br>111 | number | (s): 4570663<br>78-130<br>78-131<br>78-129<br>75-133 |     |     | ·    |      |     |     |

#### Surrogate Quality Control

Analysis Name: BTEX (EPA 602) Batch number: 05209A36A

Trifluorotoluene-P

| 4570663 | 101 |
|---------|-----|
| Blank   | 100 |
| LCS     | 101 |
| LCSD    | 100 |
| MS      | 101 |
|         |     |

Limits: 69-137

#### \*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

# Analysis Requesi, Environmental Services Chain of Custody

| Æ  | I angaglant alamata ta                             |
|----|--|
| T  | Lancaster Laboratories Where quality is a science. |
| J. | Where quality is a science.                        |

Acct #9300

For Lancaster Laboratories use only

Groups 953747 Sample # 4570663

COC # 0096862

|  |                    |                    |                  |            |               |            |            | •  |                |       |                   |            |                                       |            |                  |                | ,,,,        | 002           | •    |
|--|--------------------|--------------------|------------------|------------|---------------|------------|------------|--|----------------|-------|-------------------|------------|---------------------------------------|------------|------------------|----------------|-------------|---------------|------|
| Olient: RMT, Inc.  | Pk                 | ease print, instru | ctions           | on re      | verse s       | ide con    | espon      | d with   | circie         | d num | bers.             | Co         | de                                    | -le        | OL K             | 23.04.2        | اتح         |               |      |
|  | ACCL #:            |                    |                  | -          |               | 4          |            | (  | <b>5)</b> /    |       |                   | <u>-</u> - |                                       |            |                  |                | For L       | .ab Use       | -    |
| Project Name#: LECarpenter 6527.                                 |                    |                    |                  | - 🗸        |               |            |            |  |                | L     |                   |            | n/                                    |            |                  | ' / / <b>/</b> | SCR         | * 120         | 25%  |
| Project Manager: Nick Cleve++                                    | P.O.#: _           |                    | <u></u>          | . 🗒        |               |            |            |  | /              | OFT O | 7                 | Æ          | 9/                                    |            |                  | // /-          | <del></del> |               |      |
| sampler: 1. Overvande  |                    | ·                  |                  |            |               |            |            |  | ΄ ,            | Z /   | / /               | 5          | / /                                   | / /        | / /              | / / /          |             | •             |      |
| Name of state where samples were collected:                      | V 1                |                    |                  |            |               |            |            |  | 10             | No    | · /£              | ó/         |                                       |            |                  |                |             |               |      |
| 2  |                    |                    | 3                |            |               |            |            | ريد/   | /%             |       | )                 | /บ         | /                                     | /          | \x\z\g<br>\x\z\g | 7 /            |             |               |      |
|  |                    |                    |                  |            |               |            |            |  | #/             | #\v.  | \ <del>``</del> \ | 3/         | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | ÖΪ         | `\$/             | ′ /            | ٠           |               |      |
|  |                    |                    |                  |            |               |            | /4         | 5/ 4   | ì/ <u>:</u>    | JU.   | ا /رو             | )] ·       | ₹∙                                    | <b>₹</b> 0 | ∀                | Remarks        |             |               |      |
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| SW-R-5   | 1                  |                    | <del>\</del>     | +-         | $\frac{1}{V}$ |            |            | X  |                | ↓_    | <b> </b>          | <u> </u>   | <b> </b>                              | <b> </b>   |                  |                |             |               |      |
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| 5W-R-4   | I                  | 1755 )             |                  |            | X             | 5          | 1          | ₩  |                |       |                   |            |                                       |            |                  |                |             |               |      |
| SW-D-2   | 7/24/05            | 720                | 1                |            | 1             | 1          | l          | 1.   |                |       |                   |            |                                       |            |                  |                | <del></del> |               |      |
| SW-D-3   |                    | 730                |                  |            | $\Box$        |            |            |  | 1              |       |                   |            |                                       |            | _                |                |             |               |      |
| SW-D-1   |                    | 715                |                  |            |               | 1          | J,         | 1  | <del>  .</del> | 1     | -                 |            | -                                     |            | -                |                |             | <del></del> - |      |
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| Date results are needed:   |                    |                    |                  |            |               |            | <u> </u>   |  |                |       | •                 |            |                                       |            |                  | NOOLGE         |             | 7250          | 312  |
| Rush results requested by (please circle): Ph<br>Phone #: Fax #: | one Fax            | E-mail             |                  |            | shed b        |            |            |  |                | Pate  |                   | ime        |                                       | ej/ek      | by:              | Charles        | 1           | /Date         | Time |
| E-mail address:  | <del></del>        | <del></del>        |                  | <u></u>    | evvc          | pre        | 0_         |  |                | 1     | 05/               |            |                                       | _          |                  | & parter       |             | 16/01         | Jas  |
| Pata Package Options (please circle if required)                 | enc                | Complete?          | - Kei            | inquit     | Ged pi        | y.<br>Uw   |            |  |                | Date  |                   | ime<br>140 | Reg                                   | Eiveo      | I PÀ             |                |             | Date          | Time |
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| ype I (Tier I) GLP Site-specific QC I                            |                    |                    | - Rei            |            | ned by        |            |            |  |                | Date  | <b>₽   T</b>      | ime        | Rec                                   | eived      | by:              |                |             | Date          | Time |
| ype II (Tier II) Other (If yes, indicate QC sa                   | mple and submit tr | iplicate volume.)  | De la            |            | <b></b>       |            | _          |  |                |       | _                 |            |                                       |            |                  |                |             | _             | L    |
| ype III (NJ Red. Del.) Internal Chain of ype IV (CLP)            | Custody requir     | ed? Yes No         | Kell             | erypre     | hed by        | <b>7</b> : |            |  |                | Date  | •   T             | ime        | Rec                                   | eived      | by:              | Lolphe         |             | Date          | Time |
| She is (OFL)   |                    |                    | <u> </u>         |            |               |            |            |  | _              |       |                   |            |                                       |            |                  |                | 1           | 7/26/03       | car  |

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1340 2102 Rev. 10/27/02



## **Explanation of Symbols and Abbreviations**

Ingrannia Auglifia.

The following defines common symbols and abbreviations used in reporting technical data:

| N.D.<br>TNTC | none detected<br>Too Numerous To Count | BMQL<br>MPN | Below Minimum Quantitation Level<br>Most Probable Number |
|--------------|--|-------------|--|
| IU           | International Units                    | CP Units    | cobalt-chloroplatinate units                             |
| umhos/cm     | micromhos/cm                           | NTU         | nephelometric turbidity units                            |
| C            | degrees Celsius                        | F           | degrees Fahrenheit                                       |
| meq          | milliequivalents                       | lb.         | poünd(s)   |
| g            | gram(s)                                | kg          | kilogram(s)  |
| ug           | microgram(s)                           | mg          | milligram(s)   |
| ml           | milliliter(s)                          | Ī           | liter(s)   |
| m3           | cubic meter(s)                         | ul          | microliter(s)  |

- less than The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.
- greater than
- estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LQQ). J

parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For ppm aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Results printed under this heading have been adjusted for moisture content. This increases the analyte weight Dry weight basis concentration to approximate the value present in a similar sample without moisture. All other results are reported

on an as-received basis.

#### U.S. EPA CLP Data Qualifiers:

|       | Organic Quantiers   |   | inorganic Qualifiers                                    |
|-------|---|---|---|
| Α     | TIC is a possible aldol-condensation product                  | В | Value is <crdl, but="" th="" ≥idl<=""></crdl,>          |
| В     | Analyte was also detected in the blank                        | E | Estimated due to interference                           |
| C     | Pesticide result confirmed by GC/MS                           | M | Duplicate injection precision not met                   |
| D     | Compound quantitated on a diluted sample                      | N | Spike sample not within control limits                  |
| E     | Concentration exceeds the calibration range of the instrument | S | Method of standard additions (MSA) used for calculation |
| N     | Presumptive evidence of a compound (TICs only)                | U | Compound was not detected                               |
| P     | Concentration difference between primary and                  | W | Post digestion spike out of control limits              |
|       | confirmation columns >25%                                     | * | Duplicate analysis not within control limits            |
| U     | Compound was not detected                                     | + | Correlation coefficient for MSA < 0.995                 |
| X,Y,Z | Defined in case narrative                                     |   |   |

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Organia Qualifica

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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#### ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

#### SAMPLE GROUP

The sample group for this submittal is 953074. Samples arrived at the laboratory on Thursday, July 28, 2005. The PO# for this group is 6527.10.

| Client Description              | Lancaster Labs Number |
|---------------------------------|-----------------------|
| MW-19 Grab Water Sample         | 4572227               |
| MW-19-7 Lower Grab Water Sample | 4572228               |
| MW-19-7 Upper Grab Water Sample | 4572229               |
| MW-19-8 Grab Water Sample       | 4572230               |
| RB-01 Grab Water Sample         | 4572231               |
| Trip Blank Water Sample         | 4572232               |

#### **METHODOLOGY**

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

RMT, Inc.

1 COPY TO

Data Package Group

Attn: Nicholas J. Clevett



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Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Earl R Custer

Earl R. Custer Group Leader



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Lancaster Laboratories Sample No. WW 4572227

MW-19 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/27/2005 10:45

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05 Reported: 08/10/2005 at 11:53

05 09:05 RMT, Inc. 5 at 11:53 PO Box 8923

Discard: 09/10/2005

Madison WI 53708-8923

CAR19 SDG#: LEC50-01

|       |  |                 |                   | As Received        |        |          |
|-------|--|-----------------|-------------------|--------------------|--------|----------|
| CAT   |  |                 | As Received       | Method             |        | Dilution |
| No.   | Analysis Name                                | CAS Number      | Result            | Detection<br>Limit | Units  | Factor   |
| 00307 | Heterotrophic Plate Count                    | n.a.            | 3.                | 1.                 | cfu/ml | n.a.     |
|       | This result is an estimated cou              | int. At least   | one plate used    | to calculate       |        |          |
|       | the result is outside the estal              | olished countin | ng range of 30 to | 300                |        |          |
|       | colony forming units (cfu) per               | dilution.       |                   |                    |        |          |
|       | Sample was greater than 24 hour              | rs old when and | alyzed.           |                    |        |          |
|       | The sample was plated by Marla               | ina Kohler on   | 7-28-05 by 1210.  |                    |        |          |
| 00206 | Total Suspended Solids                       | n.a.            | 67.2              | 3.0                | mg/l   | 1        |
| 00212 | Total Dissolved Solids                       | n.a.            | 1,070.            | 38.8               | mg/l   | 1        |
| 00219 | Nitrite Nitrogen                             | 14797-65-0      | Ņ.D.              | 0.015              | mg/l   | 1        |
| 00220 | Nitrate Nitrogen                             | 14797-55-8      | N.D.              | 0.040              | mg/l   | 1        |
| 00221 | Ammonia Nitrogen                             | 7664-41-7       | 1.3               | 0.11               | mg/l   | 1        |
| 00227 | Total Phosphorus as P (water)                | 7723-14-0       | N.D.              | 0.080              | mg/l   | 1        |
| 00228 | Sulfate                                      | 14808-79-8      | 6.0               | 1.5                | mg/l   | 5        |
| 07105 | Volatile Headspace Hydrocarbon               |                 |                   |                    |        |          |
| 07106 | Methane                                      | 74-82-8         | 33.               | 2.0                | ug/l   | 1        |
| 07107 | Ethane                                       | 74-84-0         | N.D.              | 1.0                | ug/l   | 1        |
| 07108 | Ethene                                       | 74-85-1         | 1.1 J             | 1.0                | ug/l   | 1        |
| 07109 | Propane                                      | 74-98-6         | N.D.              | 1.0                | ug/l   | 1        |
| 08238 | BTEX (EPA 602)                               |                 |                   |                    |        |          |
| 05538 | Total Xylenes                                | 1330-20-7       | 6,000.            | 120.               | ug/l   | 200      |
| 07029 | Benzene                                      | 71-43-2         | N.D.              | 40.                | ug/l   | 200      |
| 07030 | Toluene                                      | 108-88-3        | 44,000.           | 40.                | ug/l   | 200      |
| 07031 | Ethylbenzene                                 | 100-41-4        | 1,100.            | 40.                | ug/l   | 200      |
|       | Due to dilution of the sample m              | made necessary  | by the high leve  | el                 |        |          |
|       | of toluene, normal reporting li<br>attained. | lmits were not  |                   |                    |        |          |
| 00553 | Base Neutrals                                |                 |                   |                    |        |          |
| 00669 | bis(2-Ethylhexyl)phthalate                   | 117-81-7        | 2. J              | 1.                 | ug/l   | 1        |

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Lancaster Laboratories Sample No. WW 4572227

MW-19 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/27/2005 10:45

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05

RMT, Inc. PO Box 8923

Reported: 08/10/2005 at 11:53

Madison WI 53708-8923

Discard: 09/10/2005

CAR19 SDG#: LEC50-01

Laboratory Chronicle

|       |                                   | Laboratory                     | TITE O | HICIE            |                               |          |
|-------|-----------------------------------|--------------------------------|--------|------------------|-------------------------------|----------|
| CAT   |                                   | _                              |        | Analysis         |                               | Dilution |
| No.   | Analysis Name                     | Method T                       | rial#  | Date and Time    | Analyst                       | Factor   |
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed<br>1995 | 1      | 07/30/2005 14:35 | Marlaina E Kohler             | n.a.     |
| 00206 | Total Suspended Solids            | EPA 160.2                      | 1      | 08/02/2005 12:07 | Susan E Hibner                | 1        |
| 00212 | Total Dissolved Solids            | EPA 160.1                      | 1      | 08/01/2005 09:45 | Anne L Kuenzli                | 1        |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                      | 1      | 07/28/2005 23:31 | Venia B McFadden              | 1        |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                      | 1      | 08/03/2005 12:17 | Nicole M Kepley               | 1        |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                      | 1      | 07/29/2005 13:00 | Luz M Groff                   | 1        |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                      | 1      | 08/02/2005 11:12 | Nicole M Kepley               | 1        |
| 00228 | Sulfate                           | EPA 300.0                      | 1      | 08/02/2005 11:59 | Shannon L Phillips            | 5        |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1      | 08/08/2005 20:46 | Robert I Pusch                | 1        |
| 08238 | BTEX (EPA 602)                    | EPA 602                        | 1      | 08/02/2005 04:32 | K. Robert Caulfeild-<br>James | 200      |
| 00553 | Base Neutrals                     | EPA 625                        | 1      | 08/01/2005 15:59 | Brian K Graham                | 1        |
| 08108 | 625 Water Extraction              | EPA 625                        | 1      | 07/31/2005 12:45 | Kerrie A Greenfield           | 1        |
| 08263 | Total Phos as P Prep              | EPA 365.1                      | 1      | 07/29/2005 14:25 | Nancy J Shoop                 | 1        |



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Lancaster Laboratories Sample No. WW 4572228

MW-19-7 Lower Grab Water Sample L.E. Carpenter, NJ

Collected: 07/27/2005 14:50

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05

Reported: 08/10/2005 at 11:54

RMT, Inc. PO Box 8923

Discard: 09/10/2005

Madison WI 53708-8923

CA197 SDG#: LEC50-02

|       |                                 |                 |                  | As Received        |        |          |
|-------|---------------------------------|-----------------|------------------|--------------------|--------|----------|
| CAT   |                                 |                 | As Received      | Method             |        | Dilution |
| No.   | Analysis Name                   | CAS Number      | Result           | Detection<br>Limit | Units  | Factor   |
| 00307 | Heterotrophic Plate Count       | n.a.            | 17.              | 1.                 | cfu/ml | n.a.     |
|       | This result is an estimated cou |                 | -                |                    |        |          |
|       | the result is outside the estab | olished countin | g range of 30 to | 300                |        |          |
|       | colony forming units (cfu) per  | dilution.       |                  |                    |        |          |
|       |                                 |                 |                  |                    |        |          |
| 00000 | The sample was plated by Marlai |                 | •                |                    |        | _        |
| 00206 | Total Suspended Solids          | n.a.            | 45.6             | 3.0                | mg/l   | 1        |
| 00212 | Total Dissolved Solids          | n.a.            | 1,450.           | 38.8               | mg/l   | 1        |
| 00219 | Nitrite Nitrogen                | 14797-65-0      | N.D.             | 0.015              | mg/l   | 1        |
| 00220 | Nitrate Nitrogen                | 14797-55-8      | N.D.             | 0.040              | mg/l   | 1        |
| 00221 | Ammonia Nitrogen                | 7664-41-7       | N.D.             | 0.11               | mg/l   | 1        |
| 00227 | Total Phosphorus as P (water)   | 7723-14-0       | 0.30             | 0.080              | mg/l   | 1        |
| 00228 | Sulfate                         | 14808-79-8      | 19.2             | 1.5                | mg/l   | 5        |
| 07105 | Volatile Headspace Hydrocarbon  |                 |                  |                    |        |          |
| 07106 | Methane                         | 74-82-8         | 2,900.           | 200.               | ug/1   | 100      |
| 07107 | Ethane                          | 74-84-0         | 3.0 J            | 1.0                | ug/l   | 1        |
| 07108 | Ethene                          | 74-85-1         | N.D.             | 1.0                | ug/l   | 1        |
| 07109 | Propane                         | 74-98-6         | N.D.             | 1.0                | ug/1   | 1        |
| 08238 | BTEX (EPA 602)                  |                 |                  |                    |        |          |
| 05538 | Total Xylenes                   | 1330-20-7       | 1.7 J            | 0.6                | ug/l   | 1        |
| 07029 | Benzene                         | 71-43-2         | 2.2              | 0.2                | ug/l   | 1        |
| 07030 | Toluene                         | 108-88-3        | 0.2 Ј            | 0.2                | ug/l   | 1        |
| 07031 | Ethylbenzene                    | 100-41-4        | N.D.             | 0.2                | ug/l   | 1        |
| 00553 | Base Neutrals                   |                 |                  |                    |        |          |
| 00669 | bis(2-Ethylhexyl)phthalate      | 117-81-7        | N.D.             | 0.9                | ug/l   | 1        |

State of New Jersey Lab Certification No. PA011

| T - 1 |        | ~~1  |       |
|-------|--------|------|-------|
| Lanc  | ratorv | Chro | מומומ |
|       |        |      |       |

CAT No. Analysis Name

Method

Analysis Trial# Date and Time

Analyst

Dilution Factor



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Lancaster Laboratories Sample No. WW 4572228

MW-19-7 Lower Grab Water Sample L.E. Carpenter, NJ

Collected:07/27/2005 14:50

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05 Reported: 08/10/2005 at 11:54 RMT, Inc. PO Box 8923

Discard: 09/10/2005

Madison WI 53708-8923

| CA197 | SDG#: LEC50-02                    |                                |   |                  |                               |      |
|-------|-----------------------------------|--------------------------------|---|------------------|-------------------------------|------|
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed<br>1995 | 1 | 07/30/2005 14:35 | Marlaina E Kohler             | n.a. |
| 00206 | Total Suspended Solids            | EPA 160.2                      | 1 | 08/02/2005 12:07 | Susan E Hibner                | 1    |
| 00212 | Total Dissolved Solids            | EPA 160.1                      | 1 | 08/01/2005 09:45 | Anne L Kuenzli                | 1    |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                      | 1 | 07/28/2005 23:32 | Venia B McFadden              | 1    |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                      | 1 | 08/03/2005 12:18 | Nicole M Kepley               | 1    |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                      | 1 | 07/29/2005 13:00 | Luz M Groff                   | 1    |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                      | 1 | 08/02/2005 11:13 | Nicole M Kepley               | 1    |
| 00228 | Sulfate                           | EPA 300.0                      | 1 | 08/02/2005 12:40 | Shannon L Phillips            | 5    |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1 | 08/08/2005 21:01 | Robert I Pusch                | 1    |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1 | 08/09/2005 18:33 | Robert I Pusch                | 100  |
| 08238 | BTEX (EPA 602)                    | EPA 602                        | 1 | 08/01/2005 16:44 | K. Robert Caulfeild-<br>James | 1    |
| 00553 | Base Neutrals                     | EPA 625                        | 1 | 08/01/2005 16:49 | Brian K Graham                | 1    |
| 08108 | 625 Water Extraction              | EPA 625                        | 1 | 07/31/2005 12:45 | Kerrie A Greenfield           | 1    |
| 08263 | Total Phos as P Prep              | EPA 365.1                      | 1 | 07/29/2005 14:25 | Nancy J Shoop                 | 1    |



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Lancaster Laboratories Sample No. WW 4572229

MW-19-7 Upper Grab Water Sample L.E. Carpenter, NJ

Collected: 07/27/2005 12:25

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05 Reported: 08/10/2005 at 11:54

RMT, Inc. PO Box 8923

Madison WI 53708-8923

Discard: 09/10/2005

CU197 SDG#: LEC50-03

| CAT<br>No. | Analysis Name   | CAS Number     | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units  | Dilution<br>Factor |
|------------|---|----------------|-----------------------|---|--------|--------------------|
| 00307      | Heterotrophic Plate Count   | n.a.           | 17.                   | 1.  | cfu/ml | n.a.               |
|            | This result is an estimated couthe result is outside the estable colony forming units (cfu) per | lished countin |                       |   |        | . =                |
|            | The sample was plated by Marlai   | na Kohler on 7 | -28-05 by 1210.       |   |        |                    |
| 00206      | Total Suspended Solids  | n.a.           | 31.6                  | 3.0   | mg/l   | 1                  |
| 00212      | Total Dissolved Solids  | n.a.           | 1,280.                | 38.8  | mg/l   | 1                  |
| 00219      | Nitrite Nitrogen  | 14797-65-0     | N.D.                  | 0.015                                       | mg/l   | 1                  |
| 00220      | Nitrate Nitrogen  | 14797-55-8     | 0.22                  | 0.040                                       | mg/l   | 1                  |
| 00221      | Ammonia Nitrogen  | 7664-41-7      | 0.29 J                | 0.11  | mg/l   | 1                  |
| 00227      | Total Phosphorus as P (water)   | 7723-14-0      | 0.10                  | 0.080                                       | mq/1   | 1                  |
| 00228      | Sulfate   | 14808-79-8     | 25.7                  | 1,5   | mg/l   | 5                  |
| 07105      | Volatile Headspace Hydrocarbon  |                |                       |   |        |                    |
| 07106      | Methane   | 74-82-8        | 1,600.                | 40.   | ug/l   | 20                 |
| 07107      | Ethane  | 74-84-0        | 1.4 J                 | 1.0   | ug/l   | 1                  |
| 07108      | Ethene  | 74-85-1        | N.D.                  | 1.0   | ug/1   | 1                  |
| 07109      | Propane   | 74-98-6        | N.D.                  | 1.0   | ug/l   | 1                  |
| 08238      | BTEX (EPA 602)  |                |                       |   |        |                    |
| 05538      | Total Xylenes   | 1330-20-7      | 2.4 J                 | 0.6   | ug/l   | 1                  |
| 07029      | Benzene   | 71-43-2        | 1.5                   | 0.2   | ug/l   | 1                  |
| 07030      | Toluene   | 108-88-3       | 0.5 J                 | 0.2   | ug/l   | 1                  |
| 07031      | Ethylbenzene  | 100-41-4       | N.D.                  | 0.2   | ug/l   | 1                  |
| 00553      | Base Neutrals   |                |                       |   |        |                    |
| 00669      | bis(2-Ethylhexyl)phthalate  | 117-81-7       | N.D.                  | 1.  | ug/l   | 1                  |

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.

Analysis Name

Method

Analysis Date and Time

Analyst

Dilution **Factor** 



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Lancaster Laboratories Sample No. WW 4572229

MW-19-7 Upper Grab Water Sample L.E. Carpenter, NJ

Collected: 07/27/2005 12:25

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05 Reported: 08/10/2005 at 11:54

RMT, Inc. PO Box 8923

Discard: 09/10/2005

Madison WI 53708-8923

| CU197 | SDG#: LEC50-03                    |                                |   |                  |                     |      |
|-------|-----------------------------------|--------------------------------|---|------------------|---------------------|------|
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed<br>1995 | 1 | 07/30/2005 14:35 | Marlaina E Kohler   | n.a. |
| 00206 | Total Suspended Solids            | EPA 160.2                      | 1 | 08/02/2005 12:07 | Susan E Hibner      | 1    |
| 00212 | Total Dissolved Solids            | EPA 160.1                      | 1 | 08/01/2005 09:45 | Anne L Kuenzli      | 1    |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                      | 1 | 07/28/2005 23:34 | Venia B McFadden    | ī    |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                      | 1 | 08/03/2005 12:19 | Nicole M Kepley     | 1    |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                      | 1 | 07/29/2005 13:00 | Luz M Groff         | ī    |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                      | 1 | 08/02/2005 11:14 | Nicole M Kepley     | 1    |
| 00228 | Sulfate                           | EPA 300.0                      | 1 | 08/02/2005 12:54 | Shannon L Phillips  | 5    |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1 | 08/08/2005 21:17 | Robert I Pusch      | 1    |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1 | 08/09/2005 18:48 | Robert I Pusch      | 20   |
| 08238 | BTEX (EPA 602)                    | EPA 602                        | 1 | 07/29/2005 15:59 | Linda C Pape        | 1    |
| 00553 | Base Neutrals                     | EPA 625                        | 1 | 08/01/2005 17:40 | Brian K Graham      | 1    |
| 08108 | 625 Water Extraction              | EPA 625                        | 1 | 07/31/2005 12:45 | Kerrie A Greenfield | 1    |
| 08263 | Total Phos as P Prep (water)      | EPA 365.1                      | 1 | 07/29/2005 14:25 | Nancy J Shoop       | ī    |



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Lancaster Laboratories Sample No. WW 4572230

MW-19-8 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/27/2005 13:53

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05

Reported: 08/10/2005 at 11:54

RMT, Inc. PO Box 8923

Discard: 09/10/2005

Madison WI 53708-8923

CA198 SDG#: LEC50-04

|        |                                 |                 |                       |           | <b>As Received</b> |        |          |
|--------|---------------------------------|-----------------|-----------------------|-----------|--------------------|--------|----------|
| CAT    |                                 |                 | As Receiv             | ed 1      | <b>lethod</b>      |        | Dilution |
| No.    | Analysis Name                   | CAS Number      | Result                |           | Detection<br>Limit | Units  | Factor   |
| 0.0307 | Heterotrophic Plate Count       | n.a.            | Ŋ.D.                  |           | L.                 | cfu/ml | n.a.     |
|        | This result is an estimated con | unt. At least   | one plate u           | sed to ca | alculate           |        |          |
|        | the result is outside the estal | olished countir | ng range of           | 30 to 30  | 0                  |        |          |
|        | colony forming units (cfu) per  | dilution.       |                       |           |                    |        |          |
|        | The sample was plated by Marla  | ina Kablas :    | 7 00 05 5 4           |           |                    |        |          |
| 00206  | Total Suspended Solids          | n.a.            | 7-28-05 by 1<br>8.8 J |           |                    | 4-     |          |
| 00212  | Total Dissolved Solids          | n.a.            | 876.                  |           | 3.0                | mg/l   | 1        |
| 00219  | Nitrite Nitrogen                | 14797-65-0      |                       |           | 8.8                | mg/l   | 1        |
| 00220  | Nitrate Nitrogen                |                 | N.D.                  |           | 0.015              | mg/l   | 1        |
| 00221  | Ammonia Nitrogen                | 14797-55-8      | 0.33                  |           | 0.040              | mg/l   | 1        |
| 00227  | Total Phosphorus as P (water)   | 7664-41-7       | 0.26 J                |           | 1.11               | mg/l   | 1        |
| 00227  | Sulfate                         | 7723-14-0       | Ņ.D.                  |           | 080                | mg/l   | 1        |
| 00228  | suitace                         | 14808-79-8      | 20.3                  | 1         | ., 5               | mg/l   | 5        |
| 07105  | Volatile Headspace Hydrocarbon  |                 |                       |           | •                  |        |          |
| 07106  | Methane                         | 74-82-8         | 74.                   | 2         | .0                 | ug/l   | 1        |
| 07107  | Ethane                          | 74-84-0         | N.D.                  |           | .0                 | ug/l   | 1        |
| 07108  | Ethene                          | 74-85-1         | N.D.                  |           | 0                  | ug/l   | 1        |
| 07109  | Propane                         | 74-98-6         | N.D.                  |           | . 0                | ug/l   | 1        |
|        | *                               |                 |                       |           |                    | -5, -  | _        |
| 08238  | BTEX (EPA 602)                  |                 |                       |           |                    |        |          |
| 05538  | Total Xylenes                   | 1330-20-7       | N.D.                  |           | .6                 | /3     | _        |
| 07029  | Benzene                         | 71-43-2         | N.D.                  |           | .2                 | ug/l   | 1        |
| 07030  | Toluene                         | 108-88-3        | N.D.                  |           | .2                 | ug/l   | 1        |
| 07031  | Ethylbenzene                    | 100-41-4        | N.D.                  | -         | .2                 | ug/1   | 1        |
|        | -                               |                 |                       |           | . 4                | ug/l   | 1        |
| 00553  | Base Neutrals                   |                 |                       |           |                    | •      |          |
| 00669  | bis(2-Ethylhexyl)phthalate      | 117-81-7        | N.D.                  | 1         |                    | ug/l   | •        |
|        | - <del>-</del>                  |                 | ·                     | -         | •                  | ug/I   | 1        |

State of New Jersey Lab Certification No. PA011

| Laboratory | Chronicle |
|------------|-----------|
|            |           |

CAT Analysis Dilution No. Analysis Name Method Trial# Date and Time Analyst Factor



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Lancaster Laboratories Sample No. WW 4572230

MW-19-8 Grab Water Sample L.E. Carpenter, NJ

Collected:07/27/2005 13:53

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05 Reported: 08/10/2005 at 11:54

RMT, Inc. PO Box 8923

Discard: 09/10/2005

Madison WI 53708-8923

| CA198 | SDG#: LEC50-04                    |                             |   |                  |                     |      |
|-------|-----------------------------------|-----------------------------|---|------------------|---------------------|------|
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed 1995 | 1 | 07/30/2005 14:35 | Marlaina E Kohler   | n.a. |
| 00206 | Total Suspended Solids            | EPA 160.2                   | 1 | 08/02/2005 12:07 | Susan E Hibner      | 1    |
| 00212 | Total Dissolved Solids            | EPA 160.1                   | 1 | 08/01/2005 09:45 | Anne L Kuenzli      | 1    |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                   | 1 | 07/28/2005 23:35 | Venia B McPadden    | 1    |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                   | 1 | 08/03/2005 12:52 | Nicole M Kepley     | •    |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                   | 1 | 07/29/2005 13:00 | Luz M Groff         | 1    |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                   | 1 | 08/02/2005 11:18 | Nicole M Kepley     | 1    |
| 00228 | Sulfate                           | EPA 300.0                   | 1 | 08/02/2005 13:08 | Shannon L Phillips  | 5    |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified      | 1 | 08/08/2005 21:33 | Robert I Pusch      | 1    |
| 08238 | BTEX (EPA 602)                    | EPA 602                     | 1 | 07/29/2005 16:35 | Linda C Pape        | 4    |
| 00553 | Base Neutrals                     | EPA 625                     | 1 | 08/01/2005 18:30 | Brian K Graham      | 1    |
| 08108 | 625 Water Extraction              | EPA 625                     | 1 | 07/31/2005 12:45 | Kerrie A Greenfield | 1    |
| 08263 | Total Phos as P Prep (water)      | EPA 365.1                   | 1 | 07/29/2005 16:30 | Nancy J Shoop       | 1    |



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Lancaster Laboratories Sample No. WW 4572231

RB-01 Grab Water Sample L.E. Carpenter, NJ

Collected:07/27/2005 16:45

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05

Reported: 08/10/2005 at 11:55

RMT, Inc. PO Box 8923

Discard: 09/10/2005

Madison WI 53708-8923

CA1RB SDG#: LEC50-05RB

| CAT<br>No. | Analysis Name                   | CAS Number      | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units          | Dilution<br>Factor |
|------------|---------------------------------|-----------------|-----------------------|---|----------------|--------------------|
| 00307      | Heterotrophic Plate Count       | n.a.            | N.D.                  | 1.  | cfu/ml         | n.a.               |
|            | This result is an estimated con | unt. At least   | one plate used t      | o calculate                                 | , <u>-</u>     |                    |
|            | the result is outside the estal | olished countir | ng range of 30 to     | 300   |                |                    |
|            | colony forming units (cfu) per  | dilution.       |                       |   |                |                    |
|            |                                 |                 |                       |   |                |                    |
|            | The sample was plated by Marla  |                 | ₹                     |   |                |                    |
| 00206      | Total Suspended Solids          | n.a.            | N.D.                  | 3.0   | mg/l           | 1                  |
| 00212      | Total Dissolved Solids          | n.a.            | N.D.                  | 9.7   | mg/l           | 1                  |
| 00219      | Nitrite Nitrogen                | 14797-65-0      | N.D.                  | 0.015                                       | mg/l           | 1                  |
| 00220      | Nitrate Nitrogen                | 14797-55-8      | N.D.                  | 0.040                                       | mg/l           | 1                  |
| 00221      | Ammonia Nitrogen                | 7664-41-7       | N.D.                  | 0.11  | mg/l           | 1                  |
| 00227      | Total Phosphorus as P (water)   | 7723-14-0       | N.D.                  | 0.080                                       | mg/l           | 1                  |
| 00228      | Sulfate                         | 14808-79-8      | N.D.                  | 0.30  | mg/l           | 1                  |
| 07105      | Volatile Headspace Hydrocarbon  |                 |                       |   |                |                    |
| 07106      | Methane                         | 74-82-8         | N.D.                  | 2.0   | ug/l           | 1                  |
| 07107      | Ethane                          | 74-84-0         | N.D.                  | 1.0   | ug/1           | 1<br>1             |
| 07108      | Ethene                          | 74-85-1         | N.D.                  | 1.0   | ug/l           | 1                  |
| 07109      | Propane                         | 74-98-6         | N.D.                  | 1.0   | ug/l           | 1                  |
|            |                                 |                 |                       |   | ug/ I          | 1                  |
| 08238      | BTEX (EPA 602)                  |                 |                       |   | •              |                    |
|            |                                 |                 |                       | •   |                |                    |
| 05538      | Total Xylenes                   | 1330-20-7       | N.D.                  | 0.6   | ug/l           | 1                  |
| 07029      | Benzene                         | 71-43-2         | N.D.                  | 0.2   | ug/l           | 1                  |
| 07030      | Toluene                         | 108-88-3        | N.D.                  | 0.2   | ug/l           | 1                  |
| 07031      | Ethylbenzene                    | 100~41-4        | N.D.                  | 0.2   | ug/l           | 1                  |
|            |                                 |                 |                       |   | -3/-           | -                  |
| 00553      | Base Neutrals                   |                 |                       |   |                |                    |
|            |                                 |                 |                       |   |                |                    |
| 00669      | bis(2-Ethylhexyl)phthalate      | 117-81-7        | Ņ.D.                  | 1.  | ug/l           | 1                  |
|            |                                 |                 |                       |   | · <b>J</b> · = |                    |

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.

Analysis Name

Method

Analysis Trial# Date and Time

Analyst

Dilution Factor



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Lancaster Laboratories Sample No. WW 4572231

RB-01 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/27/2005 16:45

by JO

Account Number: 09322

Submitted: 07/28/2005 09:05 Reported: 08/10/2005 at 11:55

RMT, Inc. PO Box 8923

Madison WI 53708-8923

Discard: 09/10/2005

| CAIRB | SDG#: LEC50-05RB                  | •                              |    |                  |                     |      |
|-------|-----------------------------------|--------------------------------|----|------------------|---------------------|------|
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed<br>1995 | 1  | 07/30/2005 14:35 | Marlaina E Kohler   | n.a, |
| 00206 | Total Suspended Solids            | EPA 160.2                      | 1  | 08/02/2005 12:07 | Susan E Hibner      | 1    |
| 00212 | Total Dissolved Solids            | EPA 160.1                      | 1  | 08/01/2005 09:45 | Anne L Kuenzli      | 7    |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                      | 1  | 07/28/2005 23:36 | Venia B McFadden    | -    |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                      | 1  | 08/03/2005 12:53 | Nicole M Kepley     | 1    |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                      | 1  | 07/29/2005 13:00 | Luz M Groff         | 1    |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                      | 1  | 08/02/2005 11:19 | Nicole M Kepley     | i    |
| 00228 | Sulfate                           | EPA 300.0                      | 1  | 08/02/2005 11:46 | Shannon L Phillips  | 4    |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1  | 08/08/2005 21:48 | Robert I Pusch      | ī    |
| 08238 | BTEX (EPA 602)                    | EPA 602                        | 1  | 07/29/2005 15:24 | Linda C Pape        | 1    |
| 00553 | Base Neutrals                     | EPA 625                        | 1  | 08/01/2005 19:21 | Brian K Graham      | 1    |
| 08108 | 625 Water Extraction              | EPA 625                        | 1. | 07/31/2005 12:45 | Kerrie A Greenfield | 1    |
| 08263 | Total Phos as P Prep<br>(water)   | EPA 365.1                      | 1  | 07/29/2005 16:30 | Nancy J Shoop       | i    |



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Lancaster Laboratories Sample No. WW 4572232

Trip Blank Water Sample L.E. Carpenter, NJ

Collected: n.a.

Account Number: 09322

Submitted: 07/28/2005 09:05

Reported: 08/10/2005 at 11:55

Discard: 09/10/2005

RMT, Inc. PO Box 8923

Madison WI 53708-8923

CA1TB SDG#: LEC50-06TB

| CAT<br>No. | Analysis Name  | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602) |            |                       |   |       |                    |
| 05538      | Total Xylenes  | 1330-20-7  | N.D.                  | 0.6   | ug/l  | 1                  |
| 07029      | Benzene        | 71-43-2    | N.D.                  | 0.2   | ug/l  | 1                  |
| 07030      | Toluene        | 108-88-3   | N.D.                  | 0.2   | ug/l  | 1                  |
| 07031      | Ethylbenzene   | 100-41-4   | N.D.                  | 0.2   | ug/l  | 1                  |

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

|       |                |         | 4                     |              |          |
|-------|----------------|---------|-----------------------|--------------|----------|
| CAT   |                |         | Analysis              |              | Dilution |
| No.   | Analysis Name  | Method  | Trial# Date and Time  | 5 5 4.       |          |
|       | •              |         | TITELS DUCE WING LIMB | Analyst      | Factor   |
| 08238 | BTEX (EPA 602) | EPA 602 | 1 07/29/2005 14:48    | Linda C Pane | •        |



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### Quality Control Summary

Client Name: RMT, Inc.

Reported: 08/10/05 at 11:55 AM

Group Number: 953074

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

#### Laboratory Compliance Quality Control

| Analysis Name                 | Blank<br><u>Result</u> | Blank<br><u>MDL</u> | Report<br><u>Units</u> | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br><u>Limits</u> | RPD | RPD Max |
|-------------------------------|------------------------|---------------------|------------------------|-------------|--------------|---------------------------|-----|---------|
| Batch number: 05209105103B    | Sample                 | number(s):          | 4572227-45             | 72231       |              |                           |     |         |
| Nitrite Nitrogen              | N.D.                   | 0.015               | mg/l                   | 97          |              | 90-110                    |     |         |
| Batch number: 05210022101A    | Sample                 | number(s):          | 4572227-45             | 72229.45    | 72231        |                           |     |         |
| Ammonia Nitrogen              | N.D.                   | 0.11                | mg/l                   | 98          | 97           | 91-100                    | 1   | 1       |
| Batch number: 05210109101B    | Sample                 | number(s):          | 4572227-45             | 72229       |              |                           |     |         |
| Total Phosphorus as P (water) | N.D.                   | 0.080               | mg/l                   | 97          |              | 89-110                    |     |         |
| Batch number: 05210109102A    | Sample                 | number(s):          | 4572230-45             | 72231       |              |                           |     |         |
| Total Phosphorus as P (water) | N.D.                   | 0.080               | mg/l                   | 101         |              | 89-110                    |     |         |
| Batch number: 05210A36A       | Sample                 | number(s):          | 4572229-45             | 72232       |              |                           |     |         |
| Total Xylenes                 | N.D.                   | 0.6                 | ug/l                   | 111         | 110          | 82-120                    | 1   | 30      |
| Benzene                       | N.D.                   | 0.2                 | ug/l                   | 107         | 106          | 86-119                    | ī   | 30      |
| Toluene                       | N.D.                   | 0.2                 | ug/l                   | 112         | 111          | 82-119                    |     |         |
| Ethylbenzene                  | N.D.                   | 0.2                 | ug/l                   | 110         |              |                           | 1   | 30      |
|                               | И.Б.                   | 0.2                 | ug/I                   | 110         | 109          | 81-119                    | 1   | 30      |
| Batch number: 05211WAA625     | Samole                 | number(s):          | 4572227-45             | 72231       |              |                           |     |         |
| bis(2-Ethylhexyl)phthalate    | N.D.                   | 1.                  | ug/l                   | 87          | 87           | 68-111                    | 0   | 30      |
| Batch number: 05213021201A    | Sample                 | number(s):          | 4572227-45             | 72231       |              |                           |     |         |
| Total Dissolved Solids        | N.D.                   | 9.7                 | mg/l                   | 99          |              | 80-120                    |     |         |
| Batch number: 05213A36A       | Sample                 | number(s):          | 4572227-45             | 72228       |              |                           |     |         |
| Total Xylenes                 | N.D.                   | 0.6                 | ug/l                   | 107         | 107          | 82-120                    | •   |         |
| Benzene                       | N.D.                   | 0.2                 | ug/l                   | 103         |              |                           | 0   | 30      |
| Toluene                       | N.D.                   | 0.2                 |                        |             | 103          | 86-119                    | 0   | 30      |
| Ethylbenzene                  | N.D.                   |                     | ug/l                   | 110         | 110          | 82-119                    | 0   | 30      |
| Beny I Denzene                | N.D.                   | 0.2                 | ug/l                   | 106         | 106          | 81-119                    | 0   | 30      |
| Batch number: 05214020601B    |                        |                     | 4572227-45             |             |              |                           |     |         |
| Total Suspended Solids        | Ņ.D.                   | 3.0                 | mg/l                   | 103         |              | 56-128                    |     |         |
| Batch number: 05214401301A    | Sample                 | number(s):          | 4572227-45             | 72231       |              |                           |     |         |
| Sulfate                       | N.D.                   | 0.30                | mg/l                   | 98          |              | 90-110                    |     |         |
| Batch number: 05215106104B    | Sample                 | number(s):          | 4572227-45             | 72231       |              |                           |     |         |
| Nitrate Nitrogen              | N.D.                   | 0.040               | mg/l                   | 102         |              | 89-110                    |     |         |
| Batch number: 052200023A      | Sample                 | number(s):          | 4572227-45             | 72231       |              |                           |     |         |
| Methane                       | N.D.                   | 2.0                 | ug/1                   | 100         |              | 80-100                    |     |         |
| Ethane                        | N.D.                   | 1.0                 | ug/l                   | 102         |              | 80-120                    |     | •       |
| Ethene                        | N.D.                   |                     |                        |             |              | 80-120                    |     |         |
| Propane                       | N.D.                   | 1.0                 | ug/l                   | 105         |              | 80-120                    |     |         |
| · ·                           | N.D.                   | 1.0                 | ug/l                   | 95          |              | 80-120                    |     |         |

- \*- Outside of specification
- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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### Quality Control Summary

Client Name: RMT, Inc.

Group Number: 953074

Reported: 08/10/05 at 11:55 AM

Laboratory Compliance Quality Control

| Analysis Name  | Blank<br><u>Result</u>             | 191<br>1 <u>MD</u>                 | ank<br><u>L</u>                        | Repor<br><u>Units</u> |                                  | es<br>LEC                  | LCSD<br>%REC | LCS/LCSD<br><u>Limits</u> | RPD R      | PD Max     |
|--|------------------------------------|------------------------------------|--|-----------------------|----------------------------------|----------------------------|--------------|---------------------------|------------|------------|
|  |                                    | Samp                               | le 1                                   | Matri                 | x Qu                             | alit                       | y Cont       | rol                       |            |            |
| Analysis Name  | ms<br>%rec                         | MSD<br>%REC                        | MS/1<br>Limi                           |                       | RPD                              | RPD<br>MAX                 | BKG<br>Conc  | DUP<br>Conc               | DUP<br>RPD | Dup RPD    |
| Batch number: 05209105103B<br>Nitrite Nitrogen                                 | Sample<br>99                       | number                             | (s):<br>90-1                           | 4572227<br>110        | -45722                           | 31                         | N.D.         | N.D.                      | 0 (1)      | 20         |
| Batch number: 05210022101A<br>Ammonia Nitrogen                                 | Sample                             | number                             | (s):                                   | 4572227               | -45722                           | 29,4572                    | 2231<br>7.0  | 7.1                       | 1          | 2          |
| Batch number: 05210109101B<br>Total Phosphorus as P (water)                    | Sample<br>105                      | number                             | (s):<br>90-1                           | 4572227<br>110        | -45722                           | 29                         | N.D.         | N.D.                      | 0 (1)      | 3          |
| Batch number: 05210109102A<br>Total Phosphorus as P (water)                    | Sample                             | number                             | (s):<br>90-1                           | 4572230<br>.10        | -45722                           | 31                         | 0.33         | 0.30                      | 11* (1)    | 3          |
| Batch number: 05210A36A<br>Total Xylenes<br>Benzene<br>Toluene<br>Ethylbenzene | Sample<br>114<br>112<br>116<br>114 | number<br>112<br>111<br>113<br>113 | (s): 78-1<br>78-1<br>78-1<br>78-1      | .31<br>.29            | -45722:<br>2<br>2<br>2<br>2<br>2 | 30<br>30<br>30<br>30<br>30 |              |                           |            |            |
| Batch number: 05213021201A<br>Total Dissolved Solids                           | Sample<br>100                      | number<br>101                      | (s):                                   | 4572227<br>.40        | -45722:<br>0                     | 31<br>5                    | 1,140.       | 1,120.                    | 2          | 5          |
| Batch number: 05213A36A<br>Total Xylenes<br>Benzene<br>Toluene<br>Ethylbenzene | Sample<br>111<br>111<br>114<br>112 | number                             | (s):<br>78-1<br>78-1<br>78-1<br>75-1   | .31<br>.29            | -45722:                          | 28                         |              |                           |            |            |
| Batch number: 05214020601B<br>Total Suspended Solids                           | Sample                             | number                             | (s): ·                                 | 1572227·              | -45722:                          | 31                         | 67.2         | 68.8                      | 2          | 20         |
| Batch number: 05214401301A<br>Sulfate  | Sample<br>96                       | number                             | (s): 4<br>90-1                         | 1572227<br>.10        | -45722                           | 31                         | 10.1         | 9.4                       | 7* (1)     | <b>3</b> . |
| Batch number: 05215106104B<br>Nitrate Nitrogen                                 | Sample<br>108                      | number                             | (s): 4                                 | 1572227 -<br>.10      | -457223                          | 31                         | N.D.         | N.D.                      | 0 (1)      | 2          |
| Batch number: 052200023A<br>Methane<br>Ethane<br>Ethene<br>Propane             | Sample<br>95<br>98<br>105<br>98    | number<br>98<br>102<br>108<br>100  | (s): 4<br>63-1<br>69-1<br>67-1<br>54-1 | .18<br>.25            | -457223<br>3<br>3<br>3<br>2      | 20<br>20<br>20<br>20<br>20 |              |                           |            |            |

### Surrogate Quality Control

- \*- Outside of specification
- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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### Quality Control Summary

Client Name: RMT, Inc.

Reported: 08/10/05 at 11:55 AM

Group Number: 953074

Surrogate Quality Control

Analysis Name: BTEX (EPA 602) Batch number: 05210A36A

Trifluorotoluene-P

| 45/2229 | 97  |
|---------|-----|
| 4572230 | 101 |
| 4572231 | 100 |
| 4572232 | 100 |
| Blank   | 100 |
| LCS     | 99  |
| LCSD    | 99  |
| MS      | 99  |
| MSD     | 100 |
|         |     |

4:570000

Limits: 69-137

Analysis Name: Base Neutrals Batch number: 05211WAA625 Nitrobenzene-d5

|         | Nitrobenzene-d5 | 2-Fluorobiphenyl | Terphenyl-d14 |              |
|---------|-----------------|------------------|---------------|--------------|
| 4572227 | 84              | 86               | 77            |              |
| 4572228 | 88              | 84               | 78            |              |
| 4572229 | 92              | 86               | 74            |              |
| 4572230 | 91              | 85               | 71            |              |
| 4572231 | 89              | 86               | 56            |              |
| Blank   | 91              | 82               | 104           |              |
| LCS     | 92              | 84               | 127           |              |
| LCSD    | 90              | 84               | 125           |              |
| Limits: | 48-117          | 62-111           | 45-132        | <del> </del> |

Analysis Name: BTEX (EPA 602) Batch number: 05213A36A Trifluorotoluene-P

| 4572227 | 99  |
|---------|-----|
| 4572228 | 97  |
| Blank   | 101 |
| LCS     | 99  |
| LCSD    | 99  |
| MS      | 100 |
|         |     |

Limits: 69-137

Analysis Name: Volatile Headspace Hydrocarbon Batch number: 052200023A

Propene

| 4572227 | 99  |
|---------|-----|
| 4572228 | 97  |
| 4572229 | 97  |
| 4572230 | 102 |
| 4572231 | 103 |
| Blank   | 111 |
| LCS     | 108 |
| MS -    | 100 |
| MSD     | 95  |
|         |     |

- \*- Outside of specification
- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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Page 4 of 4

### Quality Control Summary

Client Name: RMT, Inc.

Group Number: 953074

Reported: 08/10/05 at 11:55 AM

Surrogate Quality Control

Limits:

64-126

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

# Analysis Request, Environmental Services Chain of Curody



For Lancaster Laboratories use only Group# 957074 Sample # 4572227-32 COC # 0096856

| 0  | Please               | print, instruct | ions on     | reverse side  | э соле | spond wi   | th circled | number   | <b>3.</b> |            |                |                 |               | •            |
|--|----------------------|-----------------|-------------|---|--------|------------|------------|--|-----------|------------|----------------|-----------------|---------------|--------------|
| Client: RMT, Inc.  | Acct.#:              |                 |             |   | 4      | <u> </u>   | <b>(5)</b> |  |           | LUCAL TO S |                | For I           | ab Use C      | ontiv        |
| Project Name/#: LE Carpenter 65%   | 27.10pwsin#:         |                 | _           |   | ¥      |            | <b>_</b>   |  | / /       |            |                | / / FSC:        | #:            |              |
| Project Manager: Nick Clevett  |                      |                 |             |   |        |            |            | \ <del>2</del> \                                 | /0        | 2/ /       |                | / /             | H.:           |              |
| sampler 1.0 vervoorde  |                      |                 |             |   |        | • •        |            | OEEE D   | R         | / / ;      | / · /          | 4.630           |               | <b>-</b> (6) |
|  |                      | <del> </del>    | —           |   |        |            |            |  | אמל       | //         |                | 4.500           | الالق         | <b>/</b>     |
| Name of state where samples were collected:                                      | NZ                   | 3               |             |   |        |            | . 2        |  | []        | //.        | 19             | ے تا با         |               |              |
| 2  |                      |                 |             |   |        |            | /æ/        | \$\\ 3\  | 18/       | 2/3/       | 3/             | 4.300           | •             |              |
|  |                      |                 |             |   | 7      | BIB        |            | \$\z}  | [10]      | ₹/₹        | 8              | Remarks         |               |              |
| MW-19  | 7/27/05              | 1045            | ,           | V   | 14     |            |            | <del>[                                    </del> | -         | ( (        | <del>/ /</del> | Rentarks        |               |              |
|  | 101/03               |                 | 4           | 11  |        | X          |            |  |           |            |                | 7               |               |              |
| 44   |                      | 450             | - -         |   | 14     | X          |            |  | =         |            |                | (unlabelled ba) | 1(w)          | 321          |
| MW-19-7 Upper  |                      | 225             | +           |   | 14     | ×          |            |  |           |            |                | · .             |               | a 4.3        |
| MW-19-8  |                      | 353             | 11          |   | 14     | <u>X</u> - | _          |  |           | - >        |                |                 |               |              |
| RB-01  | V 1                  | 1642 A          | $^{\prime}$ | $\perp \! \! \! \! \! \perp \! \! \! \! \! \! \! \! \! \! \! \perp \!$ | 14     | X          |            |  |           | <b> </b>   |                |                 |               |              |
| trip blank   |                      |                 |             | 14  | 11     | X          |            |  |           |            |                |                 |               |              |
|  |                      |                 |             | 1   |        |            |            |  |           |            |                |                 |               |              |
|  | ·                    |                 |             |   |        |            |            |  |           |            |                | •               | ····          | `            |
|  |                      |                 | 11          |   | $\Box$ |            |            |  |           |            |                |                 |               |              |
|  |                      |                 | $\Box$      |   | ╁      |            |            |  | <b>-</b>  |            |                |                 | <del></del> - |              |
| Turnaround Time Requested (TAT) (please of                                       | ircle): Normal       | Rush            | Reline      | adished by:   |        |            |            | Date   | Time      | Receive    | d by           |                 | Date,         | Time 9       |
| (Rush TAT is subject to Lancaster Laboratories appro<br>Date results are needed: | oval and surcharge.) | )               | OK(         | guished by:   | WC     | vde        | _          | Date<br>127                                      | 1730      | Fee        |                | K               | 7/27/0        |              |
| Rush results requested by (please circle): Ph                                    | one Fax F            | -mail           |             | quished by:   |        |            |            | Date   | Time      | Receive    | d by:          |                 |               | Time         |
| Phone #:Fax:#:   |                      |                 |             |   |        |            |            |  |           |            |                |                 |               |              |
| E-mail address:  |                      |                 | Relino      | uished by:  | 1      |            |            | Date   | Time      | Receive    | d by:          |                 | Date          | Time         |
| Data Package Options (please circle if required)                                 | SDG C                | omplete?        |             |   |        |            |            | L  |           |            | -              |                 |               |              |
| QC Summary Type VI (Raw Data) Type I (Tier I) GLP Site-specific QC               | Yes                  | No              | Relinq      | uished by:  |        | 1          |            | Date   | Time      | Receive    | d by:          |                 | Date          | Time         |
| Type I (Tier I) GLP Site-specific QC (If yes, indicate QC as                     | •                    |                 |             |   |        |            |            |  |           |            |                | ·               |               |              |
| Type III (NJ Red. Del.) Internal Chain of  | Custody required     | ? Yes No        | Relinq      | uished by:  |        |            |            | Date   | Time      | Receive    | d by:/         | 161             | Date,         | Time         |
| Type IV (CLP)  |                      |                 |             | ·   |        |            |            |  |           |            | H              | 19th            | 7/28/05       | 0905         |



### **Explanation of Symbols and Abbreviations**

Inorganic Qualifiers

The following defines common symbols and abbreviations used in reporting technical data:

| N.D.<br>TNTC<br>IU | none detected<br>Too Numerous To Count<br>International Units | BMQL<br>MPN<br>CP Units | Below Minimum Quantitation Level<br>Most Probable Number<br>cobalt-chloroplatinate units |
|--------------------|---|-------------------------|--|
| umhos/cm           | micromhos/cm  | NTU                     | nephelometric turbidity units  |
| C                  | degrees Celsius   | F                       | degrees Fahrenheit   |
| meq                | milliequivalents  | ĺb.                     | pound(s)   |
| g                  | gram(s)   | kg                      | kilogram(s)  |
| ug                 | microgram(s)  | mg                      | milligram(s)   |
| ml                 | milliliter(s)   | Ĭ                       | liter(s)   |
| m3                 | cubic meter(s)  | ul                      | microliter(s)  |

- less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- J estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis

Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

#### U.S. EPA CLP Data Qualifiers:

#### **Organic Qualifiers**

|            | 3   |   | morganic dadiners                                       |
|------------|---|---|---|
| Α          | TIC is a possible aldol-condensation product                  | В | Value is <crdl, but="" th="" ≥idl<=""></crdl,>          |
| В          | Analyte was also detected in the blank                        | E | Estimated due to interference                           |
| C          | Pesticide result confirmed by GC/MS                           | M | Duplicate injection precision not met                   |
| D          | Compound quantitated on a diluted sample                      | N | Spike sample not within control limits                  |
| E          | Concentration exceeds the calibration range of the instrument | S | Method of standard additions (MSA) used for calculation |
| N          | Presumptive evidence of a compound (TICs only)                | U | Compound was not detected                               |
| P          | Concentration difference between primary and                  | W | Post digestion spike out of control limits              |
|            | confirmation columns >25%                                     | * | Duplicate analysis not within control limits            |
| U<br>X,Y,Z | Compound was not detected Defined in case narrative           | + | Correlation coefficient for MSA <0.995                  |
| ۸, ۱ ,۲    | Denneu in Case harrauve                                       |   |   |

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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#### ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

#### **SAMPLE GROUP**

The sample group for this submittal is 952954. Samples arrived at the laboratory on Wednesday, July 27, 2005. The PO# for this group is 6527.10.

| Client Description                         | Lancaster Labs Number |
|--|-----------------------|
| MW-19-9D Grab Water Sample                 | 4571544               |
| MW-19-1 Unspiked Grab Water Sample         | 4571545               |
| MW-19-1 Matrix Spike Grab Water Sample     | 4571546               |
| MW-19-1 Matrix Spike Dup Grab Water Sample | 4571547               |
| MW-19-1 Duplicate Grab Water Sample        | 4571548               |
| Trip_Blank Water Sample                    | 4571549               |
|  |                       |

#### **METHODOLOGY**

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

RMT, Inc.

1 COPY TO

Data Package Group

Attn: Nicholas J. Clevett



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Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Michele J. Smith Group Leader



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Lancaster Laboratories Sample No. WW 4571544

MW-19-9D Grab Water Sample

L.E. Carpenter, NJ

Collected:07/27/2005 08:47

by JO

Account Number: 09322

Submitted: 07/27/2005 15:40

Reported: 08/09/2005 at 15:06

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

19-9D SDG#: LEC49-01

| CAT   |                            |            | As Received | As Received<br>Method | •     | Dilution |
|-------|----------------------------|------------|-------------|-----------------------|-------|----------|
| No.   | Analysis Name              | CAS Number | Result      | Detection<br>Limit    | Units | Factor   |
| 08238 | BTEX (EPA 602)             |            |             |                       |       |          |
| 05538 | Total Xylenes              | 1330-20-7  | N.D.        | 0.6                   | ug/l  | 1        |
| 07029 | Benzene                    | 71-43-2    | N.D.        | 0.2                   | ug/l  | 1        |
| 07030 | Toluene                    | 108-88-3   | N.D.        | 0.2                   | ug/l  | 1        |
| 07031 | Ethylbenzene               | 100-41-4   | N.D.        | 0.2                   | ug/l  | 1        |
| 00553 | Base Neutrals              |            |             |                       |       |          |
| 00669 | bis(2-Ethylhexyl)phthalate | 117-81-7   | N.D.        | 1.                    | ug/l  | 1        |

State of New Jersey Lab Certification No. PA011

| Labo | rato    | rv  | Chron | icle |
|------|---------|-----|-------|------|
|      | ~ ~ ~ ~ | T V |       | TCTE |

| CAT   |                      |         | Analysis |                  |                   |                    |
|-------|----------------------|---------|----------|------------------|-------------------|--------------------|
| No.   | Analysis Name        | Method  | Trial#   | Date and Time    | Analyst           | Dilution<br>Factor |
| 08238 | BTEX (EPA 602)       | EPA 602 | 1        | 07/29/2005 10:33 | Linda C Pape      | 1 40001            |
| 00553 | Base Neutrals        | EPA 625 |          | 07/30/2005 21:01 | Brian K Graham    | ± .                |
| 08108 | 625 Water Extraction | EPA 625 |          |                  |                   | 1                  |
|       |                      | 2000    | •        | 07/28/2005 18:50 | Olivia I Santiago | 1                  |



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Lancaster Laboratories Sample No. WW 4571545

MW-19-1 Unspiked Grab Water Sample L.E. Carpenter, NJ

Collected:07/27/2005 09:20

by JO

Account Number: 09322

Submitted: 07/27/2005 15:40 Reported: 08/09/2005 at 15:06

RMT, Inc. PO Box 8923

Madison WI 53708-8923

Discard: 09/09/2005

SDG#: LEC49-02BKG

|        |   |                |                  | As Received               |               |          |
|--------|---|----------------|------------------|---------------------------|---------------|----------|
| CAT    |   |                | As Received      | Method                    |               | Dilution |
| No.    | Analysis Name   | CAS Number     | Result           | Detection<br>Limit        | Units         | Factor   |
| 00307  | Heterotrophic Plate Count   | n.a.           | 53.              | 1.                        | cfu/ml        | n.a.     |
|        | The sample was plated by Jeff (   | roff on 7-27-0 | 5 by 2020.       |                           | •             |          |
| 00200  | рH  | n.a.           | 7.2              | 0.010                     | Std.<br>Units | 1        |
|        | The 40 CFR Part 136 requires the (within 15 minutes) upon sample the result may not be used for | collection.    | Recause this was | immediately not possible, |               |          |
| 00206  | Total Suspended Solids  | n.a.           | 9.2 J            | 3.0                       | mg/l          | 1        |
| 00212  | Total Dissolved Solids  | n.a.           | 1,140.           | 38.8                      | mg/1          | 1        |
| 00219  | Nitrite Nitrogen  | 14797-65-0     | N.D.             | 0.015                     | mg/1          | 1        |
| 00220  | Nitrate Nitrogen  | 14797-55-8     | 4.1              | 0.080                     | mg/1          | 2        |
|        | Matrix QC was performed on this   | sample for th  | e nitrate analys | is. Please                | 3/ =          | -        |
|        | see the attached QC Summary rep   | ort for the pa | rameter showing  | a matrix bias             |               |          |
| 00221  | Ammonia Nitrogen  | 7664-41-7      | N.D.             | 0.11                      | mq/l          | 1        |
| 00227  | Total Phosphorus as P (water)   | 7723-14-0      | N.D.             | 0.080                     | mg/1          | 1        |
| 00228  | Sulfate   | 14808-79-8     | 39.0             | 1.5                       | mg/l          | 5        |
| 07105  | Volatile Headspace Hydrocarbon  | •              |                  |                           | •             |          |
| 07106  | Methane   | 74-82-8        | N.D.             | 2.0                       | ug/l          | 1        |
| 07107  | Ethane  | 74-84-0        | N.D.             | 1.0                       | ug/l          | ī        |
| 07108  | Ethene  | 74-85-1        | N.D.             | 1.0                       | ug/l          | 1        |
| 07109  | Propane   | 74-98-6        | N.D.             | 1.0                       | ug/1          | 1        |
|        | Matrix QC was performed on this   | sample. Plea   | se see the attac | ned OC summarv            | 43/4          | •        |
|        | report for compounds showing a  | matrix bias.   |                  | <u>.</u>                  |               |          |
| 08238  | BTEX (EPA 602)  |                |                  |                           |               |          |
| 05538  | Total Xylenes   | 1330-20-7      | N.D.             | 0.6                       | ug/l          | 1        |
| 07029  | Benzene   | 71-43-2        | N.D.             | 0.2                       | ug/l          | 1        |
| 07030  | Toluene   | 108-88-3       | N.D.             | 0.2                       | ug/1          | 1        |
| 07031  | Ethylbenzene  | 100-41-4       | N.D.             | 0.2                       | ug/1          | 1        |
| 00553  | Base Neutrals   |                |                  |                           |               |          |
| 00.669 | bis(2-Ethylhexyl)phthalate  | 117-81-7       | 1. J             | 1.                        | ug/l          | 1        |

State of New Jersey Lab Certification No. PA011



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Lancaster Laboratories Sample No. WW 4571545

MW-19-1 Unspiked Grab Water Sample L.E. Carpenter, NJ

Collected:07/27/2005 09:20

by TO

Account Number: 09322

Submitted: 07/27/2005 15:40 Reported: 08/09/2005 at 15:06

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

19--1 SDG#: LEC49-02BKG

Laboratory Chronicle

|       |                                   | Laboratory (                   | -11T O. | птсте            |                    |          |
|-------|-----------------------------------|--------------------------------|---------|------------------|--------------------|----------|
| CAT   |                                   |                                |         | Analysis         |                    | Dilution |
| No.   | Analysis Name                     | Method T                       | rial#   | Date and Time    | Analyst            | Factor   |
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed<br>1995 | 1       | 07/29/2005 20:55 | Jeffrey B Groff    | n.a.     |
| 00200 | рH                                | EPA 150.1                      | 1       | 07/28/2005 16:00 | Luz M Groff        | 1        |
| 00206 | Total Suspended Solids            | EPA 160.2                      | 1       | 08/01/2005 15:32 | Anne L Kuenzli     | 1        |
| 00212 | Total Dissolved Solids            | EPA 160.1                      | 1       | 08/01/2005 09:45 | Anne L Kuenzli     | 1        |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                      | 1       | 07/27/2005 20:09 | Venia B McFadden   | 1        |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                      | 1       | 08/03/2005 09:08 | Nicole M Kepley    | 2        |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                      | 1       | 07/28/2005 17:00 | Luz M Groff        | 1        |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                      | 1       | 08/02/2005 11:04 | Nicole M Kepley    | ī        |
| 00228 | Sulfate                           | EPA 300.0                      | 1       | 08/01/2005 15:03 | Shannon L Phillips | 5        |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1       | 08/05/2005 17:19 | Robert I Pusch     | i        |
| 08238 | BTEX (EPA 602)                    | EPA 602                        | 1       | 07/29/2005 11:08 | Linda C Pape       | 1        |
| 00553 | Base Neutrals                     | EPA 625                        | 1       | 07/30/2005 12:36 | Brian K Graham     | 1        |
| 08108 | 625 Water Extraction              | EPA 625                        | 1       | 07/28/2005 16:50 | Olivia I Santiago  | 1        |
| 08263 | Total Phos as P Prep (water)      | EPA 365.1                      | 1       | 07/29/2005 14:25 | Nancy J Shoop      | ī        |



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Lancaster Laboratories Sample No. WW 4571546

MW-19-1 Matrix Spike Grab Water Sample L.E. Carpenter, NJ

Collected:07/27/2005 09:20

by JO

Account Number: 09322

Submitted: 07/27/2005 15:40

Reported: 08/09/2005 at 15:07

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

19--1 SDG#: LEC49-02MS

| CAT    |                                |            | As Received | As Received<br>Method |       | Dilution |
|--------|--------------------------------|------------|-------------|-----------------------|-------|----------|
| No.    | Analysis Name                  | CAS Number | Result      | Detection<br>Limit    | Units | Factor   |
| 00219  | Nitrite Nitrogen               | 14797-65-0 | 0.21        | 0.015                 | mg/l  | 1        |
| 00220  | Nitrate Nitrogen               | 14797-55-8 | 9.3         | 0.20                  | mg/1  | 5        |
| 00221  | Ammonia Nitrogen               | 7664-41-7  | 13.7        | 0.11                  | mg/l  | 1        |
| 07105  | Volatile Headspace Hydrocarbon |            |             |                       |       |          |
| 07106  | Methane                        | 74-82-8    | 59.         | 2.0                   | ug/l  | 1        |
| 07107  | Ethane                         | 74-84-0    | 62.         | 1.0                   | ug/l  | 1        |
| 07108  | Ethene                         | 74-85-1    | 63.         | 1.0                   | ug/l  | 1        |
| 07109  | Propane                        | 74-98-6    | 63.         | 1.0                   | ug/l  | 1        |
| 08238  | BTEX (EPA 602)                 |            |             |                       |       |          |
| 05538  | Total Xylenes                  | 1330-20-7  | 68.         | 0.6                   | ug/l  | 1        |
| 07029  | Benzene                        | 71-43-2    | 22.         | 0.2                   | ug/l  | ī        |
| 07030  | Toluene                        | 108-88-3   | 23.         | 0.2                   | ug/l  | 1        |
| 07031  | Ethylbenzene                   | 100-41-4   | 23.         | 0.2                   | ug/l  | 1        |
| 0.0553 | Base Neutrals                  |            |             |                       |       |          |
| 00669  | bis(2-Ethylhexyl)phthalate     | 117-81-7   | 95.         | 1.                    | ug/l  | 1        |

State of New Jersey Lab Certification No. PA011

| Labor | atory | Chron | icle |
|-------|-------|-------|------|
|       |       |       |      |

| CAT   |                                   | Analysis               |        |                  |                   |                    |  |
|-------|-----------------------------------|------------------------|--------|------------------|-------------------|--------------------|--|
| No.   | Analysis Name                     | Method                 | Trial# | Date and Time    | Analyst           | Dilution<br>Factor |  |
| 00219 | Nitrite Nitrogen                  | EPA 353.2              | 1      | 07/27/2005 20:11 | Venia B McFadden  | 1 40001            |  |
| 00220 | Nitrate Nitrogen                  | EPA 353.2              | 1      | 08/03/2005 09:10 | Nicole M Kepley   | =                  |  |
| 00221 | Ammonia Nitrogen                  | EPA 350.2              | 1      | 07/28/2005 17:00 | Luz M Groff       | 1                  |  |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified | l 1    | 08/05/2005 17:36 | Robert I Pusch    | i                  |  |
| 08238 | BTEX (EPA 602)                    | EPA 602                | 1      | 07/29/2005 11:44 | Linda C Pape      | ,                  |  |
| 00553 | Base Neutrals                     | EPA 625                | 1      | 07/30/2005 13:27 | Brian K Graham    | 1                  |  |
| 08108 | 625 Water Extraction              | EPA 625                | 1      | 07/28/2005 16:50 | Olivia I Santiago | î                  |  |



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Lancaster Laboratories Sample No. WW

MW-19-1 Matrix Spike Dup Grab Water Sample L.E. Carpenter, NJ

Collected:07/27/2005 09:20

Account Number: 09322

Submitted: 07/27/2005 15:40

Reported: 08/09/2005 at 15:07

RMT, Inc. PO Box 8923

Madison WI 53708-8923

Discard: 09/09/2005

19--1 SDG#: LEC49-02MSD

| CAT<br>No. | Analysis Name                  | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection | Units | Dilution<br>Factor |
|------------|--------------------------------|------------|-----------------------|------------------------------------|-------|--------------------|
| 00221      | Ammonia Nitrogen               | 7664-41-7  | 13.5                  | Limit<br>0.11                      | mg/l  | 1                  |
| 07105      | Volatile Headspace Hydrocarbon |            |                       |                                    |       |                    |
| 07106      | Methane                        | 74-82-8    | 58.                   | 2.0                                | ug/l  | 1                  |
| 07107      | Ethane                         | 74-84-0    | 61.                   | 1.0                                | ug/l  | 1                  |
| 07108      | Ethene                         | 74-85-1    | 63.                   | 1.0                                | ug/1  | 1                  |
| 07109      | Propane                        | 74-98-6    | 89.                   | 1.0                                | ug/l  | ī                  |
| 08238      | BTEX (EPA 602)                 |            |                       |                                    |       |                    |
| 05538      | Total Xylenes                  | 1330-20-7  | 67.                   | 0.6                                | ug/l  | 1                  |
| 07029      | Benzene                        | 71-43-2    | 22.                   | 0.2                                | ug/l  | 1                  |
| 07030      | Toluene                        | 108-88-3   | 23.                   | 0.2                                | ug/l  | 1                  |
| 07031      | Ethylbenzene                   | 100-41-4   | 23.                   | 0.2                                | ug/l  | · 1                |
| 00553      | Base Neutrals                  |            |                       |                                    |       |                    |
| 00669      | bis(2-Ethylhexyl)phthalate     | 117-81-7   | 93.                   | 1.                                 | ug/l  | 1                  |

State of New Jersey Lab Certification No. PA011

|       |                                   | Laboratory             | Chro   | nicle            |                   |        |  |
|-------|-----------------------------------|------------------------|--------|------------------|-------------------|--------|--|
| CAT   |                                   | Analysis               |        |                  |                   |        |  |
| No.   | Analysis Name                     | Method                 | Trial# | Date and Time    | Analyst           | Factor |  |
| 00221 | Ammonia Nitrogen                  | EPA 350.2              | 1      | 07/28/2005 17:00 | Luz M Groff       | 1      |  |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified | 1 1    | 08/05/2005 17:53 | Robert I Pusch    | 1      |  |
| 08238 | BTEX (EPA 602)                    | EPA 602                | 1      | 07/29/2005 12:19 | Linda C Pape      | 1      |  |
| 00553 | Base Neutrals                     | EPA 625                | 1      | 07/30/2005 14:17 | Brian K Graham    | 1      |  |
| 08108 | 625 Water Extraction              | EPA 625                | 1      | 07/28/2005 16:50 | Olivia I Santiago | 1      |  |

07/28/2005 16:50

Olivia I Santiago



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4571548

MW-19-1 Duplicate Grab Water Sample L.E. Carpenter, NJ

Collected: 07/27/2005 09:20

by JO

Account Number: 09322

Submitted: 07/27/2005 15:40

Reported: 08/09/2005 at 15:07

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

19--1 SDG#: LEC49-02DUP

|       |                  |            |             | As Received        |       |          |
|-------|------------------|------------|-------------|--------------------|-------|----------|
| CAT   |                  |            | As Received | Method             |       | Dilution |
| No.   | Analysis Name    | CAS Number | Result      | Detection<br>Limit | Units | Factor   |
| 00219 | Nitrite Nitrogen | 14797-65-0 | N.D.        | 0.015              | mg/l  | 1        |
| 00220 | Nitrate Nitrogen | 14797-55-8 | 4.7         | 0.080              | mg/l  | 2        |
| 00221 | Ammonia Nitrogen | 7664-41-7  | N.D.        | 0.11               | mg/l  | 1        |

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

|       | *                | Hanoracory | CIII   | TITCIC           |                  |          |
|-------|------------------|------------|--------|------------------|------------------|----------|
| CAT   |                  |            |        | Analysis         |                  | Dilution |
| No.   | Analysis Name    | Method     | Trial# | Date and Time    | Analyst          | Factor   |
| 00219 | Nitrite Nitrogen | EPA 353.2  | 1      | 07/27/2005 20:12 | Venia B McFadden | 1        |
| 00220 | Nitrate Nitrogen | EPA 353.2  | 1      | 08/03/2005 09:09 | Nicole M Kepley  | 2        |
| 00221 | Ammonia Nitrogen | EPA 350.2  | 1      | 07/28/2005 17:00 | Luz M Groff      | í        |



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4571549

Trip\_Blank Water Sample L.E. Carpenter, NJ

Collected: n.a.

Submitted: 07/27/2005 15:40 Reported: 08/09/2005 at 15:07

Discard: 09/09/2005

19-TB SDG#: LEC49-03TB

Account Number: 09322

RMT, Inc. PO Box 8923

Madison WI 53708-8923

| CAT<br>No. | Analysis Name  | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602) |            |                       |   |       |                    |
| 05538      | Total Xylenes  | 1330-20-7  | N.D.                  | 0.6   | ug/l  | 1                  |
| 07029      | Benzene        | 71-43-2    | N.D.                  | 0.2   | ug/l  | 1                  |
| 07030      | Toluene        | 108-88-3   | N.D.                  | 0.2   | ug/l  | 1                  |
| 07031      | Ethylbenzene   | 100-41-4   | N.D.                  | 0.2   | ug/l  | 1                  |

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

| CAT   |                |         |        | Analysis         |              | Dilution |
|-------|----------------|---------|--------|------------------|--------------|----------|
| No.   | Analysis Name  | Method  | Trial# | Date and Time    | Analyst      | Factor   |
| 08238 | BTEX (EPA 602) | EPA 602 | 1      | 07/29/2005 08:11 | Linda C Pape | 1        |



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### Quality Control Summary

Client Name: RMT, Inc.

--

Group Number: 952954

Reported: 08/09/05 at 03:08 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

#### Laboratory Compliance Quality Control

| •  |  |                            |  |                                       |                                   |                                      |             |                      |
|--|--|----------------------------|--|---------------------------------------|-----------------------------------|--------------------------------------|-------------|----------------------|
| Analysis Name  | Blank<br><u>Result</u>                 | Blank<br><u>MDL</u>        | Report<br><u>Units</u>                     | LCS<br>%REC                           | LCSD<br>%REC                      | LCS/LCSD<br><u>Limits</u>            | RPD         | RPD Max              |
| Batch number: 05208105104A<br>Nitrite Nitrogen                                 | Sample N.D.                            | number(s):<br>0.015        | 4571545-45<br>mg/l                         | 71546,45<br>100                       | 71548                             | 90-110                               | ,           |                      |
| Batch number: 05209020001A<br>pH   | Sample                                 | number(s):                 | 4571545                                    | 100                                   |                                   | 99-101                               |             |                      |
| Batch number: 05209022101A<br>Ammonia Nitrogen                                 | Sample<br>N.D.                         | number(s):<br>0.11         | 4571545-45<br>mg/l                         | 71548<br>98                           |                                   | 91-100                               |             |                      |
| Batch number: 05209WAC625<br>bis(2-Ethylhexyl)phthalate                        | Sample<br>N.D.                         | number(s):                 | 4571544-45<br>ug/l                         | 71547<br>93                           |                                   | 68-111                               |             |                      |
| Batch number: 05210109101B<br>Total Phosphorus as P (water)                    | Sample N.D.                            | number(s):<br>0.080        | 4571545<br>mg/l                            | 97                                    |                                   | 89-110                               |             |                      |
| Batch number: 05210401301C<br>Sulfate  | Sample<br>N.D.                         | number(s):                 | 4571545<br>mg/l                            | 96                                    |                                   | 90-110                               |             |                      |
| Batch number: 05210A36A<br>Total Xylenes<br>Benzene<br>Toluene<br>Ethylbenzene | Sample<br>N.D.<br>N.D.<br>N.D.<br>N.D. | number(s): 0.6 0.2 0.2 0.2 | 4571544-45<br>ug/l<br>ug/l<br>ug/l<br>ug/l | 71547,45°<br>111<br>107<br>112<br>110 | 71549<br>110<br>106<br>111<br>109 | 82-120<br>86-119<br>82-119<br>81-119 | 1<br>1<br>1 | 30<br>30<br>30<br>30 |
| Batch number: 05213020601A<br>Total Suspended Solids                           | Sample<br>N.D.                         | number(s):                 | 4571545<br>mg/l                            | 99                                    |                                   | 56-128                               |             |                      |
| Batch number: 05213021201A<br>Total Dissolved Solids                           | Sample<br>N.D.                         | number(s):                 | 4571545<br>mg/l                            | 99                                    |                                   | 80-120                               |             |                      |
| Batch number: 05215106101B<br>Nitrate Nitrogen                                 | Sample<br>N.D.                         | number(s):<br>0.040        | 4571545-45<br>mg/l                         | 71546,45°<br>98                       | 71548                             | 89-110                               |             |                      |
| Batch number: 052160033A<br>Methane<br>Ethane<br>Ethene<br>Propane             | Sample<br>N.D.<br>N.D.<br>N.D.<br>N.D. | number(s): 2.0 1.0 1.0     | 4571545-45<br>ug/l<br>ug/l<br>ug/l<br>ug/l | 71547<br>97<br>100<br>100<br>94       |                                   | 80-120<br>80-120<br>80-120<br>80-120 |             |                      |

### Sample Matrix Quality Control

| MS MSD | MS/MSD | RPD | BKG | DUP | DUP | Dup RPD |
|--------|--------|-----|-----|-----|-----|---------|
|--------|--------|-----|-----|-----|-----|---------|

<sup>\*-</sup> Outside of specification

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.

<sup>(2)</sup> The background result was more than four times the spike added.



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### Quality Control Summary

| Client Name: RMT, Inc. Reported: 08/09/05 at 03:0                              | 08 PM             |                                      | Gro   | oup M                           | ımber:                                | 952954      |        |         |      |
|--|-------------------|--------------------------------------|---|---------------------------------|---------------------------------------|-------------|--------|---------|------|
| Analysis Name  |                   | %REC                                 | <u>Limits</u>                                       | RPD                             | MAX                                   | Conc        | Conc   | RPD     | Max_ |
| Batch number: 05208105104A<br>Nitrite Nitrogen                                 | Sample<br>103     | number(                              | s): 4571545<br>90-110                               | -45715                          | 46,4571                               | 548<br>N.D. | N.D.   | 75* (1) | 20   |
| Batch number: 05209020001A<br>pH   | Sample            | number (                             | s): 4571545   |                                 |                                       | 7.2         | 7.2    | 0       | 1    |
| Batch number: 05209022101A<br>Ammonia Nitrogen                                 |                   | number (<br>95                       | (s): 4571545<br>64-128                              | -45715<br>1                     | 48<br>8                               | N.D.        | N.D.   | 0 (1)   | 2    |
| Batch number: 05209WAC625<br>bis(2-Ethylhexyl)phthalate                        |                   | number (<br>92                       | s): 4571544<br>69-111                               | -45715<br>2                     | 47<br>30                              |             |        |         |      |
| Batch number: 05210109101B<br>Total Phosphorus as P (water)                    | Sample<br>105     | number(                              | s): 4571545<br>90-110                               |                                 |                                       | N.D.        | N.D.   | 0 (1)   | 3    |
| Batch number: 05210401301C<br>Sulfate  | Sample<br>95      | number(                              | s): 4571545<br>90-110                               |                                 |                                       | 39.0        | 37.8   | 3       | 3    |
| Batch number: 05210A36A<br>Total Xylenes<br>Benzene<br>Toluene<br>Ethylbenzene | 114<br>112<br>116 | number (<br>112<br>111<br>113<br>113 | s): 4571544<br>78-130<br>78-131<br>78-129<br>75-133 | -45715<br>2<br>2<br>2<br>2<br>2 | 47,4571<br>30<br>30<br>30<br>30<br>30 | 549`        |        |         |      |
| Batch number: 05213020601A<br>Total Suspended Solids                           | Sample            | number(                              | s): 4571545   |                                 |                                       | 2,080.      | 2,040. | 2 (1)   | 20   |
| Batch number: 05213021201A<br>Total Dissolved Solids                           |                   | number(<br>101                       | s): 4571545<br>60-140                               | 0                               | 5                                     | 1,140.      | 1,120. | 2       | 5    |
| Batch number: 05215106101B<br>Nitrate Nitrogen                                 | Sample:           | number(                              | s): 4571545<br>90-110                               | -45715                          | 46,4571                               | 548<br>4.1  | 4.7    | 14*     | 2    |
| Batch number: 052160033A<br>Methane<br>Ethane<br>Ethene<br>Propane             | 98<br>103<br>102  | number(<br>97<br>102<br>102<br>135*  | s): 4571545<br>63-120<br>69-118<br>67-125<br>54-127 | -45715<br>2<br>2<br>0<br>34*    | 47<br>20<br>20<br>20<br>20            |             |        |         | -    |

#### Surrogate Quality Control

|         | Nitrobenzene-d5 | 2-Fluorobiphenyl | Terphenyl-d14 |  |
|---------|-----------------|------------------|---------------|--|
| 4571544 | 86              | 83               | 80            |  |
| 4571545 | 85              | 82               | 82            |  |
| 4571546 | 94              | 87               | 89            |  |
| 4571547 | 95              | 86               | 91            |  |
| Blank   | 88              | 85               | 81            |  |
| LCS     | 96              | 91               | 92            |  |
| 4S      | 94              | 87               | 89            |  |
| (SD     | 95              | 86               | 91            |  |

#### \*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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### Quality Control Summary

Client Name: RMT, Inc.

Group Number: 952954

Reported: 08/09/05 at 03:08 PM

Surrogate Quality Control

Limits:

48-117

62-111

Analysis Name: BTEX (EPA 602) Batch number: 05210A36A

Trifluorotoluene-P

| 4571544 | 101 |
|---------|-----|
| 4571545 | 99  |
| 4571546 | 99  |
| 4571547 | 100 |
| 4571549 | 100 |
| Blank   | 100 |
| LCS     | 99  |
| LCSD    | 99  |
| MS      | 99  |
| MSD     | 100 |
|         |     |

Analysis Name: Volatile Headspace Hydrocarbon Batch number: 052160033A Propene

| 4571545 | 101 |
|---------|-----|
| 4571546 | 99  |
| 4571547 | 99  |
| Blank   | 99  |
| LCS     | 98  |
| MS      | 99  |
| MSD     | 99  |
|         |     |

Limits:

64-126

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

# Analysis Request, Environmental Services Chain of Curody

| _    | •                                    |         | •   |
|------|--------------------------------------|---------|-----|
|      | <u>ancaster</u><br>Vherequality is a | 1 ala a |     |
| 4 BY | ancaster                             | nanan   | mps |
|      |                                      |         | /   |
|      | Vhereou <i>alitvi</i> sa             | gnienne |     |
| • •  |                                      | ~~~     |     |

Acct. # 9322

For Lancaster Liboratories use only
Group# 952954 Sample # 4571544-49

**COC** # 0096859

| . ( | 1  | Ple                            | ease print. Instru | ctions                 | on re            | verse i        | ide co              | ornes   | pond | with ci         | ircled     | numb            | ers.       | <u></u>    | alo          | با م              | m         | 01.0        | 1-3.5          | مرا <u>م.</u>  |               |
|-----|--|--------------------------------|--------------------|------------------------|------------------|----------------|---------------------|---------|------|-----------------|------------|-----------------|------------|------------|--------------|-------------------|-----------|-------------|----------------|----------------|---------------|
| •   | Client: RMT, Inc.  | Acct. #:                       |                    |                        |                  | Marie<br>Marie |                     | *       | ·    | (5              |            |                 |            |            |              |                   |           |             | J. J           | or Lab Use C   | Inly          |
|     | Project Name#: LE Corperter 6527,1                             | O PWSID                        | #:                 |                        |                  |                |                     |         |      | (e)             | 1          | 1               | $\sqrt{}$  | 7          | 7            | 7                 | 7         | //          | FS<br>SC       | iC:<br>沢#:     |               |
|     | Project Manager: Nick Clevett                                  |                                |                    |                        |                  |                |                     |         |      |                 | /          | AKHO /          | /          | /×         | 3/           |                   |           | //          | <i></i>        |                | 6             |
|     | Sampler: 1. Overworde  |                                |                    |                        | - 🏢              |                |                     |         |      |                 | A          | <b>Y</b> /      |            |            | / /          | / /               | / /       | / / /       | ,              | •              |               |
|     | •                        |                                | _                  |                        |                  |                |                     |         |      | /               | /4         |                 | 1/0        | ?/         |              |                   |           | ://         |                |                |               |
|     | Name of state where samples were collected:                    | NZ                             |                    | 3)                     | 34               |                | Ш                   |         |      | \ <del>`\</del> | \&\<br>\&\ | /'~/            | / F        | Ί.,        | / : ,        | /:                | /g<br>/s/ | ///         |                |                |               |
| (   |  |                                |                    |                        |                  |                | Ш                   |         |      |                 | <u> </u>   |                 | ઋ⁄ ઠ       |            | \$] <u>{</u> | )<br> <br>   <br> | g/z       | ₹/          |                |                |               |
|     |  |                                |                    |                        |                  |                |                     |         | / K  |                 | / =        | 7/0             | s/ v.      | ] -        | <i></i> }/≺  | 96                | א אס      | Remai       | ks             |                |               |
|     | MW-19-9D   | 7/27/05                        | 847                | X                      |                  | X              |                     | 5       | メ    | Х               |            |                 |            |            |              |                   | X         |             | <del></del>    |                |               |
|     | MW-19-1  | 7/27/05                        | 920                | $\mathbf{x}^{\dagger}$ | 1                | X              |                     | 14      | X    | X               | γ.         | x               | X          | ×          | ×            | X                 | 文         |             | <del></del>    | <del> </del>   | <del></del> - |
|     | MW-19-1 MS/MSD   | 7/27/05                        | 920                | ¥                      | ╅╴               |                |                     | 히       |      | X               | X          | 1               |            | V          | 1            | X                 | 1         | 4/11        | mol            |                |               |
|     | 1, 1119, 1315  | 101/05                         | 1                  | ᠰ                      | +                | -              | H                   | 4       | X    | <b>^</b>        | <u> </u>   |                 |            | <u>X</u> . | -            | 1                 |           | N#3         | only           |                |               |
|     |  | 7.                             |                    | +                      | +-               | 1              | $\vdash$            | ╁       |      |                 |            | $\vdash \vdash$ |            |            | <del> </del> | _                 |           | <del></del> |                | -:             | <del></del> ' |
|     |  |                                |                    | $\dashv$               | +                | -              | H                   |         |      |                 |            |                 | : .        |            |              | _                 |           |             | <u> </u>       | ·              |               |
|     | ,——————————————————————————————————————                        |                                |                    |                        | -                | <u>.</u>       |                     |         |      |                 |            |                 |            |            | <u> </u>     |                   |           |             |                | <u> </u>       |               |
|     |  |                                |                    | _                      | -                | 1              | $\sqcup$            | 4       | _    |                 |            |                 |            |            |              |                   |           |             |                |                |               |
|     |  |                                |                    |                        | _                | -              | $\sqcup$            | 1       | 1    |                 |            |                 |            |            |              |                   |           |             | * <del></del>  |                | •             |
|     |  |                                |                    | _ _                    | 1                | Ļ              |                     | 1       |      |                 |            |                 |            |            |              |                   |           |             |                | · · ·          |               |
| لے  | Turnaround Time Requested (TAT) (please cir                    | alah Massa                     | 1 5 1              | _                      |                  |                |                     | $\perp$ |      |                 |            |                 |            |            |              | ,                 |           |             |                |                |               |
| 4   | (Rush TAT is subject to Lancaster Laboratories approv          | cae): Norma<br>/al and surchar | !Rush<br>rae.)     | Re                     | lingui           | shed           | by:                 | ١ _     |      |                 |            | Date            | 3,   7     | ime        | Rec          | eire              | d by:     | Charl       | 1.             | Date           | Time (9       |
|     | Date results are needed:                                       |                                |                    |                        | 10, <sup>n</sup> | -              |                     | عد      |      |                 |            | 7/27            |            |            |              | $\overline{}$     | _         | un          | <u>~</u>       | 727/05         | 1030          |
|     | Rush results requested by (please circle): Pho Phone #: Fax #: |                                | E-mail             | Re                     | linqui           | she            | by:<br>124 <i>1</i> | . 1     | . /  |                 | -          | Date<br>27/     |            |            | Rec          | ev)e              | d by:     |             |                | Date           | Time          |
|     | Phone #:Fax #:Fax #:   |                                | <del></del> .      | F                      |                  |                |                     | 1       | M    | <u>~</u>        | _1         |                 | <u> </u> ' | 10         | _            |                   | <u> </u>  |             | <del>- ;</del> |                |               |
| 8   | Data Package Options (please circle if required)               | 60/                            | 2 Complete 2       |                        | lingui           | SALEG          | D <b>y</b> :        |         |      |                 |            | Date            | דן נ       | ime        | Rec          | eive              | d by:     |             |                | Date           | Time          |
| ٦   | QC Summary Type VI (Raw Data)                                  | Ye                             | G Complete?        | D <sub>0</sub>         | linqui           | ebod !         |                     | _       |      |                 |            | Det             | +          |            |              | -1                |           |             | <u> </u>       | <del></del>    | <u> </u>      |
|     | Type I (Tier I) GLP Site-specific QC re                        | _                              |                    | ┤ <sup>╲┏</sup>        | myun             | oirdu i        | vy.                 |         | \    |                 |            | Date            | 1          | ime        | Kec          | eive              | o by:     | سند ر       | $\circ$        | Pate           | Time          |
|     | Type II (Tier II) Other (If yes, indicate QC san               | nple and submit t              | riplicate volume.) | Re                     | lingui           | shed I         | ov:                 |         |      |                 | A          | Qate            | +          | ima        | 600          | eive              | 4 h       | (1)         | <del>/</del>   | <del>-  </del> | Time          |
| ĺ   | Type III (NJ Red. Del.) Internal Chain of C<br>Type IV (CLP)   | Sustody requi                  | red? Yes No        |                        | ·····da          | u I            | -7.                 |         |      |                 |            | Asie            | Ί,         | ""7        |              | EIVE              |           |             | //             | 1 7            | Time          |
| L   | - The it (OCI.)  |                                |                    |                        |                  |                |                     |         |      |                 |            |                 |            | 7          |              | u                 | //        |             |                | 7627           | 1140          |

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2102 Rev. 10/27/02



### **Explanation of Symbols and Abbreviations**

Ingrasnic Qualifiers

The following defines common symbols and abbreviations used in reporting technical data:

| N.D.     | none detected         | BMQL     | Below Minimum Quantitation Level |
|----------|-----------------------|----------|----------------------------------|
| TNTC     | Too Numerous To Count | MPN      | Most Probable Number             |
| IU       | International Units   | CP Units | cobalt-chloroplatinate units     |
| umhos/cm | micromhos/cm          | NTU      | nephelometric turbidity units    |
| C        | degrees Celsius       | F        | degrees Fahrenheit               |
| meq      | milliequivalents      | lb.      | pound(s)                         |
| g        | gram(s)               | kg       | kilogram(s)                      |
| ug       | microgram(s)          | mg       | milligram(s)                     |
| ml       | milliliter(s)         | Ĭ        | liter(s)                         |
| m3       | cubic meter(s)        | ui       | microliter(s)                    |

- less than The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.
- greater than
- estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ). J

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

#### U.S. EPA CLP Data Qualifiers:

| O | rga | n | C | Qu | aim | ers |
|---|-----|---|---|----|-----|-----|
|   |     |   |   |    |     |     |

|       | - gamo 424moro  |   | morganic quanners                                       |
|-------|---|---|---|
| Α     | TIC is a possible aldol-condensation product                  | В | Value is <crdl, but="" th="" ≥idl<=""></crdl,>          |
| В     | Analyte was also detected in the blank                        | Ē | Estimated due to interference                           |
| C     | Pesticide result confirmed by GC/MS                           | M | Duplicate injection precision not met                   |
| D     | Compound quantitated on a diluted sample                      | N | Spike sample not within control limits                  |
| E     | Concentration exceeds the calibration range of the instrument | S | Method of standard additions (MSA) used for calculation |
| N     | Presumptive evidence of a compound (TICs only)                | U | Compound was not detected                               |
| P     | Concentration difference between primary and                  | W | Post digestion spike out of control limits              |
|       | confirmation columns >25%                                     | * | Duplicate analysis not within control limits            |
| U     | Compound was not detected                                     | + | Correlation coefficient for MSA < 0.995                 |
| X,Y,Z | Defined in case narrative                                     |   |   |

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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#### ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

#### **SAMPLE GROUP**

The sample group for this submittal is 952821. Samples arrived at the laboratory on Wednesday, July 27, 2005. The PO# for this group is 6527.10.

| Client Description         | Lancaster Labs Number |  |  |
|----------------------------|-----------------------|--|--|
| MW-19-11 Grab Water Sample | 4571022               |  |  |
| MW-19-10 Grab Water Sample | 4571023               |  |  |
| MW-19-6 Grab Water Sample  | 4571024               |  |  |
| ATM-01 Grab Water Sample   | 4571025               |  |  |
| DUP-01 Grab Water Sample   | 4571026               |  |  |
| MW-19-2 Grab Water Sample  | 4571027               |  |  |
| MW-19-5 Grab Water Sample  | 4571028               |  |  |
| Trip Blank Water Sample    | 4571029               |  |  |

#### **METHODOLOGY**

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

RMT, Inc.

1 COPY TO

Data Package Group

Attn: Nicholas J. Clevett



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Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Earl R Custer

Earl R. Custer Group Leader



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Page 1 of 2

Lancaster Laboratories Sample No. WW 4571022

MW-19-11 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 10:06

by JO

Account Number: 09322

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:58

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

W1911 SDG#: LEC48-10

| CAT   |  |                                 | As Received                | As Received<br>Method |        | Dilution |
|-------|--|---------------------------------|----------------------------|-----------------------|--------|----------|
| No.   | Analysis Name  | CAS Number                      | Result                     | Detection             | Units  | Factor   |
| 00307 | Heterotrophic Plate Count  | n.a.                            | 63.                        | Limit<br>1.           | cfu/ml | n.a.     |
|       |  |                                 |                            |                       |        |          |
|       | This count is an estimate due t  | to the presence                 | e of spreader-typ          | e colony growth.      | ٠      |          |
|       | The sample was plated by Earl (<br>Sample was greater than 24 hour   |                                 |                            |                       |        |          |
| 00200 | _  | n.a.                            | 6.9                        | 0.010                 | Std.   | 4        |
|       | •  | •                               |                            |                       | Units  | i        |
| 00206 | The 40 CFR Part 136 requires the (within 15 minutes) upon sample the result may not be used for Total Suspended Solids | e collection.<br>reporting purp | Because this was<br>coses. | not possible,         |        |          |
| 00206 | Total Dissolved Solids   | n.a.                            | 106.                       | 3.0                   | mg/l   | 1        |
| 00212 | Nitrite Nitrogen   | n,a.                            | 555.                       | 19.4                  | mg/l   | 1        |
| 00219 | Nitrate Nitrogen   | 14797-65-0                      | N.D.                       | 0.015                 | mg/l   | 1        |
| 00220 | Ammonia Nitrogen   | 14797-55-8                      | N.D.                       | 0.040                 | mg/l   | 1        |
| 00221 | Total Phosphorus as P (water)  | 7664-41-7                       | N.D.                       | 0.11                  | mg/l   | 1        |
| 00227 | Sulfate  | 7723-14-0                       | 0.11                       | 0.080                 | mg/l   | 1        |
| 00226 | Sulface  | 14808-79-8                      | 21.5                       | 1.5                   | mg/l   | 5        |
| 07105 | Volatile Headspace Hydrocarbon   |                                 |                            |                       |        |          |
| 07106 | Methane  | 74-82-8                         | 26.                        | 2.0                   | ug/l   | 1        |
| 07107 | Ethane   | 74-84-0                         | N.D.                       | 1.0                   | ug/l   | 1        |
| 07108 | Ethene   | 74-85-1                         | N.D.                       | 1.0                   | ug/l   | 1        |
| 07109 | Propane  | 74-98-6                         | N.D.                       | 1.0                   | ug/l   | 1        |
| 08238 | BTEX (EPA 602)   |                                 |                            |                       |        | •        |
| 05538 | Total Xylenes  | 1330-20-7                       | N.D.                       | 0.6                   | uq/l   | 1 .      |
| 07029 | Benzene  | 71-43-2                         | N.D.                       | 0.2                   | ug/l   | 1        |
| 07030 | Toluene  | 108-88-3                        | N.D.                       | 0.2                   | ug/l   | 1        |
| 07031 | Ethylbenzene   | 100-41-4                        | N.D.                       | 0.2                   | ug/l   | 1        |
|       |  |                                 |                            | - · -                 | wg, 1  | <b>-</b> |
| 00553 | Base Neutrals  |                                 |                            |                       |        |          |
| 00669 | bis(2-Ethylhexyl)phthalate   | 117-81-7                        | N.D.                       | 1.                    | ug/l   | 1        |

State of New Jersey Lab Certification No. PA011



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Lancaster Laboratories Sample No. 4571022

MW-19-11 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 10:06

Account Number: 09322

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:58

Discard: 09/09/2005

RMT, Inc. PO Box 8923

Madison WI 53708-8923

W1911

SDG#: LEC48-10

Laboratory Chronicle

|       |                                   | Haboracory C                   | JILL O. | HICTE            |                               |          |
|-------|-----------------------------------|--------------------------------|---------|------------------|-------------------------------|----------|
| CAT   |                                   | _                              |         | Analysis         |                               | Dilution |
| No.   | Analysis Name                     | Method T                       | rial#   | Date and Time    | Analyst                       | Factor   |
| 00307 | Heterotrophic Plate Count         | Std Mëth 9215B 19th ed<br>1995 | 1       | 07/29/2005 10:30 | Earl R Custer                 | n.a.     |
| 00200 | рH                                | EPA 150.1                      | 1       | 07/27/2005 18:35 | Luz M Groff                   | 1        |
| 00206 | Total Suspended Solids            | EPA 160.2                      | 1       | 07/29/2005 07:54 | Susan E Hibner                | 1        |
| 00212 | Total Dissolved Solids            | EPA 160.1                      | 1       | 07/29/2005 08:19 | Anne L Kuenzli                | 1        |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                      | 1       | 07/27/2005 19:56 | Venia B McFadden              | 1        |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                      | 1       | 08/03/2005 08:45 | Nicole M Kepley               | 1        |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                      | 1       | 07/28/2005 17:00 | Luz M Groff                   | ī        |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                      | 1       | 08/02/2005 10:43 | Nicole M Kepley               | 1        |
| 00228 | Sulfate                           | EPA 300.0                      | 1       | 07/29/2005 10:35 | Shannon L Phillips            | 5        |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1       | 08/04/2005 21:58 | Robert I Pusch                | 1        |
| 08238 | BTEX (EPA 602)                    | EPA 602                        | 1       | 07/28/2005 18:13 | K. Robert Caulfeild-<br>James | 1        |
| 00553 | Base Neutrals                     | EPA 625                        | 1       | 07/30/2005 15:08 | Brian K Graham                | 1        |
| 08108 | 625 Water Extraction              | EPA 625                        | 1       | 07/28/2005 16:50 | Olivia I Santiago             | 1        |
| 08263 | Total Phos as P Prep              | EPA 365.1                      | 1       | 07/29/2005 14:25 | Nancy J Shoop                 | 1        |



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Lancaster Laboratories Sample No. WW 4571023

MW-19-10 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 12:28

by JO

Account Number: 09322

Submitted: 07/27/2005 09:05

Reported: 08/09/2005 at 10:58

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

W1910 SDG#: LEC48-11

| CAT   |   |                 | As Received       | As Received<br>Method     |               | Dilution |
|-------|---|-----------------|-------------------|---------------------------|---------------|----------|
| No.   | Analysis Name   | CAS Number      | Result            | Detection<br>Limit        | Units         | Factor   |
| 00307 | Heterotrophic Plate Count   | n.a.            | 26.               | 1.                        | cfu/ml        | n.a.     |
|       | This result is an estimated cou   |                 |                   |                           |               |          |
|       | the result is outside the estab   |                 | ng range of 30 to | 300                       |               |          |
|       | colony forming units (cfu) per  | dilution.       |                   |                           |               |          |
|       | The sample was plated by Earl C   | Custer on 7-27- | -05 by 1025.      |                           |               |          |
| 00200 | рн  | n.a.            | 6.9               | 0.010                     | Std.<br>Units | 1        |
|       | The 40 CFR Part 136 requires the (within 15 minutes) upon sample the result may not be used for | collection.     | Because this was  | immediately not possible, | Onics         |          |
| 00206 | Total Suspended Solids  | n.a.            | 10.4 J            | 3.0                       | mg/l          | 1        |
| 00212 | Total Dissolved Solids  | n.a.            | 560.              | 19.4                      | mg/l          | ļ        |
| 00219 | Nitrite Nitrogen  | 14797-65-0      | N.D.              | 0.015                     | mg/l          | 1        |
| 00220 | Nitrate Nitrogen  | 14797-55-8      | N.D.              | 0.040                     | mg/l          | 1        |
| 00221 | Ammonia Nitrogen  | 7664-41-7       | N.D.              | 0.11                      | mg/l          | 1        |
| 00227 | Total Phosphorus as P (water)   | 7723-14-0       | N.D.              | 0.080                     | mg/l          | 1        |
| 00228 | Sulfate   | 14808-79-8      | 16.0              | 1.5                       | mg/l          | 5        |
| 07105 | Volatile Headspace Hydrocarbon  |                 |                   |                           |               |          |
| 07106 | Methane   | 74-82-8         | N.D.              | 2.0                       | ug/l          | 1        |
| 07107 | Ethane  | 74-84-0         | N.D.              | 1.0                       | ug/l          | 1        |
| 07108 | Ethene  | 74-85-1         | N.D.              | 1.0                       | úg/l          | 1        |
| 07109 | Propane   | 74-98-6         | N.D.              | 1.0                       | ug/l          | 1        |
| 08238 | BTEX (EPA 602)  |                 |                   |                           | _             |          |
| 05538 | Total Xylenes   | 1330-20-7       | N.D.              | 0.6                       | ug/l          | ·1       |
| 07029 | Benzene   | 71-43-2         | N.D.              | 0.2                       | ug/1          | 1        |
| 07030 | Toluene   | 108-88-3        | N.D.              | 0.2                       | ug/l          | 1        |
| 07031 | Ethylbenzene  | 100-41-4        | N.D.              | 0.2                       | ug/l          | 1        |
| 00553 | Base Neutrals   |                 |                   |                           |               |          |
| 00669 | bis(2-Ethylhexyl)phthalate  | 117-81-7        | N.D.              | 1.                        | ug/l          | 1        |



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Lancaster Laboratories Sample No. WW 4571023

MW-19-10 Grab Water Sample

L.E. Carpenter, NJ

Collected:07/26/2005 12:28

by JO

Account Number: 09322

Submitted: 07/27/2005 09:05

Reported: 08/09/2005 at 10:58 Discard: 09/09/2005

RMT, Inc.

PO Box 8923

Madison WI 53708-8923

W1910 SDG#: LEC48-11

Laboratory Chronicle

|       |                                   | Haboracory (                   | -11T O. | IIICIE           |                               |          |
|-------|-----------------------------------|--------------------------------|---------|------------------|-------------------------------|----------|
| CAT   |                                   |                                |         | Analysis         |                               | Dilution |
| No.   | Analysis Name                     | Method                         | rial#   | Date and Time    | Analyst                       | Factor   |
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed<br>1995 | 1       | 07/29/2005 10:30 | Earl R Custer                 | n.a.     |
| 00200 | рĤ                                | EPA 150.1                      | 1       | 07/27/2005 18:35 | Luz M Groff                   | 1        |
| 00206 | Total Suspended Solids            | EPA 160.2                      | 1       | 07/29/2005 07:54 | Susan E Hibner                | 1        |
| 00212 | Total Dissolved Solids            | EPA 160.1                      | 1       | 07/29/2005 08:19 | Anne L Kuenzli                | 1        |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                      | 1       | 07/27/2005 19:57 | Venia B McFadden              | 1        |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                      | 1       | 08/03/2005 08:46 | Nicole M Kepley               | 1        |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                      | 1       | 07/28/2005 17:00 | Luz M Groff                   | 1        |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                      | 1       | 08/02/2005 10:44 | Nicole M Kepley               | ī        |
| 00228 | Sulfate                           | EPA 300.0                      | 1       | 08/01/2005 13:28 | Shannon L Phillips            | 5        |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1       | 08/04/2005 22:15 | Robert I Pusch                | 1        |
| 08238 | BTEX (EPA 602)                    | EPA 602                        | 1       | 07/28/2005 18:49 | K. Robert Caulfeild-<br>James | 1        |
| 00553 | Base Neutrals                     | EPA 625                        | 1       | 07/30/2005 15:58 | Brian K Graham                | 1        |
| 08108 | 625 Water Extraction              | EPA 625                        | 1       | 07/28/2005 16:50 | Olivia I Santiago             | 1        |
| 08263 | Total Phos as P Prep<br>(water)   | EPA 365.1                      | 1       | 07/29/2005 14:25 | Nancy J Shoop                 | ī        |



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Lancaster Laboratories Sample No. WW 4571024

MW-19-6 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 15:02

by JO

Account Number: 09322

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:58

Discard: 09/09/2005

RMT, Inc. PO Box 8923

Madison WI 53708-8923

W19-6 SDG#: LEC48-12

CAT

No.

Analysis Name

| CAT   |   |                 |                  | As Received               |               |          |  |
|-------|---|-----------------|------------------|---------------------------|---------------|----------|--|
| No.   | Amalanda Wana   |                 | As Received      | Method                    |               | Dilution |  |
|       | Analysis Name   | CAS Number      | Result           | Detection<br>Limit        | Units         | Factor   |  |
| 00307 | Heterotrophic Plate Count   | n.a.            | 90.              | 1.                        | cfu/ml        | n.a.     |  |
|       | The sample was plated by Earl (   | Custer on 7-27- | -05 by 1025.     |                           |               |          |  |
| 00200 | рн  | n.a.            | 6.8              | 0.010                     | Std.<br>Units | 1        |  |
|       | The 40 CFR Part 136 requires the (within 15 minutes) upon sample the result may not be used for | collection.     | Because this was | immediately not possible, |               |          |  |
| 00206 | Total Suspended Solids  | n.a.            | 40.8             | 3.0                       | mg/l          | 1        |  |
| 00212 | Total Dissolved Solids  | n.a.            | 1,520.           | 38.8                      | mg/l          | 1        |  |
| 00219 | Nitrite Nitrogen  | 14797-65-0      | N.D.             | 0.015                     | mg/l          | 1        |  |
| 00220 | Nitrate Nitrogen  | 14797-55-8      | 1.1              | 0.040                     | mg/l          | 1        |  |
| 00221 | Ammonia Nitrogen  | 7664-41-7       | N.D.             | 0.11                      | mg/l          | 1        |  |
| 00227 | Total Phosphorus as P (water)   | 7723-14-0       | N.D.             | 0.080                     | mg/l          | 1        |  |
| 00228 | Sulfate   | 14808-79-8      | 35.0             | 1.5                       | mg/l          | 5        |  |
| 07105 | Volatile Headspace Hydrocarbon  |                 |                  |                           |               |          |  |
| 07106 | Methane   | 74-82-8         | 38.              | 2.0                       | ug/l          | i        |  |
| 07107 | Ethane  | 74-84-0         | N.D.             | 1.0                       | ug/l          | 1        |  |
| 07108 | Ethene  | 74-85-1         | N.D.             | 1.0                       | ug/l          | 1        |  |
| 07109 | Propane   | 74-98-6         | N.D.             | 1.0                       | ug/l          | 1        |  |
| 08238 | BTEX (EPA 602)  |                 |                  |                           |               |          |  |
| 05538 | Total Xylenes   | 1330-20-7       | 14.              | 0.6                       | ug/l          | 1        |  |
| 07029 | Benzene   | 71-43-2         | N.D.             | 0.2                       | ug/l          | - 1      |  |
| 07030 | Toluene   | 108-88-3        | 27.              | 0.2                       | ug/l          | 1        |  |
| 07031 | Ethylbenzene  | 100-41-4        | 3.6              | 0.2                       | ug/l          | 1        |  |
| 00553 | Base Neutrals   |                 |                  |                           |               |          |  |
| 00669 | bis(2-Ethylhexyl)phthalate  | 117-81-7        | 2. ј             | 0.9                       | ug/l          | 1        |  |

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

Analysis

Dilution Method Trial# Date and Time Analyst Factor



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Lancaster Laboratories Sample No. WW 4571024

MW-19-6 Grab Water Sample L.E. Carpenter, NJ

Collected:07/26/2005 15:02

by JO

Account Number: 09322

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:58

Discard: 09/09/2005

RMT, Inc. PO Box 8923

Madison WI 53708-8923

| W19-6 | SDG#: LEC48-12                    |                        |   |                  |                         |      |
|-------|-----------------------------------|------------------------|---|------------------|-------------------------|------|
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed | 1 | 07/29/2005 10:30 | Earl R Custer           | n.a. |
| 00200 | рH                                | EPA 150.1              | 1 | 07/27/2005 18:35 | Luz M Groff             | 1    |
| 00206 | Total Suspended Solids            | EPA 160.2              | 1 | 07/29/2005 07:54 | Susan E Hibner          | 1    |
| 00212 | Total Dissolved Solids            | EPA 160.1              | 1 | 07/29/2005 08:19 | Anne L Kuenzli          | 1    |
| 00219 | Nitrite Nitrogen                  | EPA 353.2              | 1 | 07/27/2005 19:58 | Venia B McFadden        | 1    |
| 00220 | Nitrate Nitrogen                  | EPA 353.2              | 1 | 08/03/2005 08:50 | Nicole M Kepley         | 1    |
| 00221 | Ammonia Nitrogen                  | EPA 350.2              | 1 | 07/28/2005 17:00 | Luz M Groff             | 1    |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1              | 1 | 08/02/2005 10:45 | Nicole M Kepley         | ī    |
| 00228 | Sulfate                           | EPA 300.0              | 1 | 08/01/2005 13:41 | Shannon L Phillips      | 5    |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified | 1 | 08/04/2005 22:32 | Robert I Pusch          | 1    |
| 08238 | BTEX (EPA 602)                    | EPA 602                | 1 | 07/28/2005 19:24 | K. Robert Caulfeild-    | 1    |
| 00553 | Base Neutrals                     | EPA 625                | 1 | 07/30/2005 16:49 | James<br>Brian K Graham | 1    |
| 08108 | 625 Water Extraction              | EPA 625                | 1 | 07/28/2005 16:50 | Olivia I Santiago       | 1    |
| 08263 | Total Phos as P Prep (water)      | EPA 365.1              | 1 | 07/29/2005 14:25 | Nancy J Shoop           | 1    |



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Lancaster Laboratories Sample No. WW 4571025

ATM-01 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 15:15

by JO

Account Number: 09322

Submitted: 07/27/2005 09:05

Reported: 08/09/2005 at 10:58

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

ATM01 SDG#: LEC48-13

|                |   |                 |                   | As Received        |        |          |
|----------------|---|-----------------|-------------------|--------------------|--------|----------|
| CAT            |   |                 | As Received       | Method             |        | Dilution |
| No.            | Analysis Name   | CAS Number      | Result            | Detection<br>Limit | Units  | Factor   |
| 00307          | Heterotrophic Plate Count                             | n.a.            | 4.                | 1.                 | cfu/ml | n.a.     |
|                | This result is an estimated con                       | int. At least   | one plate used t  | o calculate        |        | * * *    |
|                | the result is outside the estal                       | olished countin | ng range of 30 to | 300                |        |          |
|                | colony forming units (cfu) per                        | dilution.       |                   |                    |        |          |
|                |   |                 |                   |                    |        |          |
|                | The sample was plated by Earl (                       | Custer on 7-27- | -05 by 1040.      |                    |        |          |
| 00200          | рн  | ņ.a.            | 5.8               | 0.010              | Std.   | .1       |
|                | The 40 CFR Part 136 requires the                      | at this analys  | is he performed   | damaddanal         | Units  |          |
|                | (Within is minutes) upon sample                       | collection .    | Recause this was  | not possible.      |        |          |
| 00206          | the result may not be used for Total Suspended Solids | reporting purp  | ooses.            | -                  |        |          |
| 00206          | Total Dissolved Solids                                | n.a.            | Ņ.D.              | 3.0                | mg/l   | 1        |
| 00212          |   | n.a.            | N.D.              | 9.7                | mg/l   | 1        |
| 00219          | Nitrite Nitrogen                                      | 14797-65-0      | N.D.              | 0.015              | mg/l   | 1        |
|                | Nitrate Nitrogen                                      | 14797-55-8      | N.D.              | 0.040              | mg/l   | 1        |
| 00221          | Ammonia Nitrogen                                      | 7664-41-7       | N.D.              | 0.11               | mg/l   | 1        |
| 00227          | Total Phosphorus as P (water)                         | 7723-14-0       | N.D.              | 0.080              | mg/l   | 1        |
| 00228          | Sulfate   | 14808-79-8      | N.D.              | 1.5                | mg/l   | 5        |
| 07105          | 77m3 = 2.23 = - 67m = 3                               |                 |                   |                    |        |          |
| 07105          | Volatile Headspace Hydrocarbon                        |                 |                   |                    |        |          |
| 07106          | Methane   |                 |                   |                    |        |          |
| 07106          |   | 74-82-8         | N.D.              | 2.0                | ug/l   | 1        |
|                | Ethane  | 74-84-0         | N.D.              | 1.0                | ug/l   | 1        |
| 07108<br>07109 | Ethene  | 74-85-1         | N.D.              | 1.0                | ug/l   | 1        |
| 0/109          | Propane   | 74-98-6         | N.D.              | 1.0                | ug/l   | 1        |
| 08238          | DWY (DD COO)  |                 |                   |                    |        |          |
| 00238          | BTEX (EPA 602)  |                 |                   |                    |        |          |
| 05538          | Total Xylenes   |                 |                   |                    |        |          |
| 07029          | Benzene   | 1330-20-7       | N.D.              | 0.6                | ug/l   | 1        |
| 07029          |   | 71-43-2         | N.D.              | 0.2                | ug/l   | 1        |
| 07030          | Toluene   | 108-88-3        | N.D.              | 0.2                | ug/l   | 1        |
| 07031          | Ethylbenzene  | 100-41-4        | N.D.              | 0.2                | ug/l   | 1        |
| 00553          | Base Neutrals   |                 |                   |                    |        |          |
| 00333          | pase Medials  |                 |                   |                    |        |          |
| 00669          | his/2. Pehralbanal \mbabala                           |                 |                   |                    |        |          |
| 00009          | bis(2-Ethylhexyl)phthalate                            | 117-81-7        | N.D.              | 1.                 | ug/l   | 1        |
|                |   |                 |                   |                    |        |          |



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Lancaster Laboratories Sample No. WW 4571025

ATM-01 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 15:15

by JO

Account Number: 09322

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:58

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

ATM01 SDG#: LEC48-13

Laboratory Chronicle

|       |                                   | Laboratory (                   | .nro  | uicie            |                               |          |
|-------|-----------------------------------|--------------------------------|-------|------------------|-------------------------------|----------|
| CAT   |                                   |                                |       | Analysis         |                               | Dilution |
| No.   | Analysis Name                     | Method T                       | rial# | Date and Time    | Analyst                       | Factor   |
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed<br>1995 | 1     | 07/29/2005 10:30 | Earl R Custer                 | n.a.     |
| 00200 | pH                                | EPA 150.1                      | 1     | 07/27/2005 18:35 | Luz M Groff                   | 1        |
| 00206 | Total Suspended Solids            | EPA 160.2                      | 1     | 07/29/2005 07:54 | Susan E Hibner                | 1        |
| 00212 | Total Dissolved Solids            | EPA 160.1                      | 1     | 07/29/2005 08:19 | Anne L Kuenzli                | ī        |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                      | 1     | 07/27/2005 19:59 | Venia B McFadden              | 1        |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                      | 1     | 08/03/2005 08:51 | Nicole M Kepley               | 1        |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                      | 1     | 07/28/2005 17:00 | Luz M Groff                   | *        |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                      | 1     | 08/02/2005 10:46 | Nicole M Kepley               | 1        |
| 00228 | Sulfate                           | EPA 300.0                      | 1     | 08/01/2005 13:55 | Shannon L Phillips            | Ė        |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1     | 08/04/2005 22:49 | Robert I Pusch                | 1        |
| 08238 | BTEX (EPA 602)                    | EPA 602                        | 1     | 07/28/2005 20:00 | K. Robert Caulfeild-<br>James | 1        |
| 00553 | Base Neutrals                     | EPA 625                        | 1     | 07/30/2005 17:39 | Brian K Graham                | 7        |
| 08108 | 625 Water Extraction              | EPA 625                        | 1     | 07/28/2005 16:50 | Olivia I Santiago             | 3        |
| 08263 | Total Phos as P Prep<br>(water)   | EPA 365.1                      | 1     | 07/29/2005 14:25 | Nancy J Shoop                 | 1        |



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Lancaster Laboratories Sample No. WW

DUP-01 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005

Account Number: 09322

Submitted: 07/27/2005 09:05

Reported: 08/09/2005 at 10:59

RMT, Inc. PO Box 8923

Madison WI 53708-8923

Discard: 09/09/2005

SDG#: LEC48-14FD

|       |   |                    |                   | As Received        |              |          |
|-------|---|--------------------|-------------------|--------------------|--------------|----------|
| CAT   |   |                    | As Received       | Method             |              | Dilution |
| No.   | Analysis Name   | CAS Number         | Result            | Detection<br>Limit | Units        | Factor   |
| 00307 | Heterotrophic Plate Count                             | n.a.               | 12.               | 1.                 | cfu/ml       | n.a.     |
|       | This result is an estimated con                       | unt. At least      | one plate used t  | o calculate        | ·            |          |
|       | the result is outside the estal                       | blished countir    | ng range of 30 to | 300                |              |          |
|       | colony forming units (cfu) per                        | dilution.          |                   |                    |              |          |
|       | ·   |                    |                   |                    |              |          |
|       | The sample was plated by Earl                         |                    | -05 by 1040.      |                    |              |          |
| 00200 | рН  | n.a.               | 6.9               | 0.010              | Std.         | 1        |
|       | The 40 CFR Part 136 requires the                      | nat this analys    | is be performed   | immediately        | Units        |          |
|       | (Within 15 minutes) upon sample                       | collection         | Because this was  | not possible,      |              |          |
| 00206 | the result may not be used for Total Suspended Solids | reporting purp     | oses.<br>8.0 J    |                    |              |          |
| 00212 | Total Dissolved Solids                                | n.a.               | 617.              | 3.0                | mg/l         | 1        |
| 00219 | Nitrite Nitrogen                                      | 14797-65-0         | N.D.              | 19.4               | mg/l         | 1        |
| 00220 | Nitrate Nitrogen                                      | 14797-55-8         | N.D.              | 0.015<br>0.040     | mg/1         | 1        |
| 00221 | Ammonia Nitrogen                                      | 7664-41-7          | N.D.              | 0.040              | mg/l         | 1        |
| 00227 | Total Phosphorus as P (water)                         | 7723-14-0          | N.D.              | 0.080              | mg/l         | 1        |
| 00228 | Sulfate   | 14808-79-8         | 16.0              | 1.5                | mg/1         | 1        |
|       |   |                    | 10.0              | 1.3                | mg/l         | 5        |
| 07105 | Volatile Headspace Hydrocarbon                        |                    |                   |                    |              |          |
| 07106 | Methane   | 74-82-8            | w <b>n</b>        | ± -                |              |          |
| 07107 | Ethane  | 74-82-8<br>74-84-0 | N.D.              | 2.0                | ug/l         | 1        |
| 07108 | Ethene  | 74-84-0<br>74-85-1 | N.D.              | 1.0                | ug/l         | 1        |
| 07109 | Propane   | 74-85-1<br>74-98-6 | N.D.              | 1.0                | ug/l         | 1        |
|       |   | 74-30-0            | N.D.              | 1.0                | ug/l         | 1        |
| 08238 | BTEX (EPA 602)  |                    |                   |                    |              |          |
| 05538 | Total Xylenes   | 1330-20-7          | N.D.              | 0.6                | in (1        | _        |
| 07029 | Benzene   | 71-43-2            | N.D.              | 0.0                | ùg/1         | 1        |
| 07030 | Toluene   | 108-88-3           | N.D.              | 0.2                | ug/l         | 1        |
| 07031 | Ethylbenzene  | 100-41-4           | N.D.              | 0.2                | ug/l<br>ug/l | 1        |
| •     |   |                    |                   | 0.2                | ug/1         | 1        |
| 00553 | Base Neutrals   |                    |                   |                    |              |          |
| 00669 | bis(2-Ethylhexyl)phthalate                            | 117-81-7           | N.D.              | 1.                 | ug/l         | 1        |
|       |   |                    |                   |                    | ug/ 1        | _        |



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Lancaster Laboratories Sample No. WW 4571026

DUP-01 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005

Account Number: 09322

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:59

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

SDG#: LEC48-14FD DUP01

| Laborat | orsz Ci | hroni | 210 |
|---------|---------|-------|-----|
| Habutat |         |       | сте |

|        |                                   | Laboratory (                   | inro  | nicle            |                               |          |
|--------|-----------------------------------|--------------------------------|-------|------------------|-------------------------------|----------|
| CAT    |                                   | -                              |       | Analysis         |                               | Dilution |
| No.    | Analysis Name                     | Method T                       | rial# | Date and Time    | Analyst                       | Factor   |
| 00307  | Heterotrophic Plate Count         | Std Meth 9215B 19th ed<br>1995 | 1     | 07/29/2005 10:30 | Earl R Custer                 | n.a.     |
| 00200  | рH                                | EPA 150.1                      | 1     | 07/27/2005 18:35 | Luz M Groff                   | 4        |
| 00206  | Total Suspended Solids            | EPA 160.2                      | 1     | 07/29/2005 07:54 | Susan E Hibner                | 1        |
| 00212  | Total Dissolved Solids            | EPA 160.1                      | 1     | 07/29/2005 08:19 | Anne L Kuenzli                | 1 .      |
| 00219  | Nitrite Nitrogen                  | EPA 353.2                      | 1     | 07/27/2005 20:01 | Venia B McFadden              | -        |
| 00220  | Nitrate Nitrogen                  | EPA 353.2                      | 1     | 08/03/2005 08:53 | Nicole M Kepley               | i        |
| 0.0221 | Ammonia Nitrogen                  | EPA 350.2                      | 1     | 07/28/2005 17:00 | Luz M Groff                   | 1        |
| 00227  | Total Phosphorus as P (water)     | EPA 365.1                      | ī     | 08/02/2005 10:47 | Nicole M Kepley               | 1        |
| 00228  | Sulfate                           | EPA 300.0                      | 1     | 08/01/2005 14:09 | Shannon L Phillips            | -        |
| 07105  | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1     | 08/04/2005 23:05 | Robert I Pusch                | 5<br>. 1 |
| 08238  | BTEX (EPA 602)                    | EPA 602                        | 1     | 07/28/2005 20:35 | K. Robert Caulfeild-<br>James | 1        |
| 00553  | Base Neutrals                     | EPA 625                        | 1     | 07/30/2005 18:30 | Brian K Graham                | ٠.       |
| 08108  | 625 Water Extraction              | EPA 625                        | 1     | 07/28/2005 16:50 | Olivia I Santiago             | 1,       |
| 08263  | Total Phos as P Prep (water)      | EPA 365.1                      | 1     | 07/29/2005 14:25 | Nancy J Shoop                 | 1        |



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Lancaster Laboratories Sample No. WW 4571027

MW-19-2 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 16:20

by TO

Account Number: 09322

Submitted: 07/27/2005 09:05

Reported: 08/09/2005 at 10:59

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

W19-2 SDG#: LEC48-15

|       |                                 |                 |                   | As Received        |        |          |
|-------|---------------------------------|-----------------|-------------------|--------------------|--------|----------|
| CAT   |                                 |                 | As Received       | Method             |        | Dilution |
| Ňo.   | Analysis Name                   | CAS Number      | Result            | Detection<br>Limit | Units  | Factor   |
| 00307 | Heterotrophic Plate Count       | n.a.            | 8.                | 1.                 | cfu/ml | n.a.     |
|       | This result is an estimated con | unt. At least   | one plate used t  | o calculate        |        |          |
|       | the result is outside the estab | lished counting | ng range of 30 to | 300                |        |          |
|       | colony forming units (cfu) per  | dilution.       |                   |                    |        |          |
|       |                                 |                 |                   | •                  |        |          |
|       | The sample was plated by Earl ( | Custer on 7-27- | 05 by 1040.       |                    |        |          |
| 00200 | рн                              | n.a.            | 7.2               | 0.010              | Std.   | 1        |
|       | The 40 CFR Part 136 requires th | at this amalum  |                   | J                  | Units  |          |
|       | (within 15 minutes) upon sample | collection.     | Because this was  | not possible       |        |          |
|       | the result may not be used for  | reporting purp  | oses.             | not possible,      |        |          |
| 00206 | Total Suspended Solids          | n.a.            | 3.2 J             | 3.0                | mg/l   | 1        |
| 00212 | Total Dissolved Solids          | n.a.            | 976.              | 38.8               | mg/l   | 1        |
| 00219 | Nitrite Nitrogen                | 14797-65-0      | N.D.              | 0.015              | mg/l   | 1        |
| 00220 | Nitrate Nitrogen                | 14797-55-8      | 1.0               | 0.040              | mg/l   | 1        |
| 00221 | Ammonia Nitrogen                | 7664-41-7       | 0.12 J            | 0.11               | mg/l   | 1        |
| 00227 | Total Phosphorus as P (water)   | 7723-14-0       | N.D.              | 0.080              | mg/l   | 1        |
| 00228 | Sulfate                         | 14808-79-8      | 27.2              | 1.5                | mg/l   | 5        |
|       | . •                             |                 |                   |                    | _      |          |
| 07105 | Volatile Headspace Hydrocarbon  |                 |                   |                    |        |          |
|       | **                              |                 |                   |                    |        |          |
| 07106 | Methane                         | 74-82-8         | 120.              | 2.0                | ug/l   | 1        |
| 07107 | Ethane                          | 74-84-0         | N.D.              | 1.0                | ug/l   | 1        |
| 07108 | Ethene                          | 74-85-1         | N.D.              | 1.0                | ug/l   | 1        |
| 07109 | Propane                         | 74-98-6         | N.D.              | 1.0                | ug/l   | , 1      |
| 08238 | DEED (ID) COOL                  |                 |                   |                    |        |          |
| 00230 | BTEX (EPA 602)                  |                 |                   | •                  |        |          |
| 05538 | Total Xylenes                   | 1330~20-7       | 22                |                    |        |          |
| 07029 | Benzene                         | 71-43-2         | 20.               | 0.6                | ug/l   | 1        |
| 07030 | Toluene                         | 108-88-3        | N.D.              | 0.2                | ug/l   | 1        |
| 07031 | Ethylbenzene                    | · · · - ·       | 40.               | 0.2                | ug/l   | 1        |
| 3,031 |                                 | 100-41-4        | 6.2               | 0.2                | ug/l   | 1        |
| 00553 | Base Neutrals                   |                 |                   |                    |        |          |
|       |                                 |                 | •                 |                    |        |          |
| 00669 | bis(2-Ethylhexyl)phthalate      | 117-81-7        | N D               | _                  |        |          |
|       | () Inch   1 / pricinatace       | 11/-01-/        | N.D.              | 1.                 | ug/l   | 1        |



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Lancaster Laboratories Sample No. WW 4571027

MW-19-2 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 16:20

by JO

Account Number: 09322

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:59

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

W19-2 SDG#: LEC48-15

Laboratory Chronicle

|       |                                   | naboratory (                   | nro   | птсте            |                               |          |
|-------|-----------------------------------|--------------------------------|-------|------------------|-------------------------------|----------|
| CAT   | •                                 | -                              |       | Analysis         |                               | Dilution |
| No.   | Analysis Name                     | Method T                       | rial# | Date and Time    | Analyst                       | Factor   |
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed<br>1995 | 1     | 07/29/2005 10:30 | Earl R Custer                 | ņ.a.     |
| 00200 | pН                                | EPA 150.1                      | 1     | 07/27/2005 18:35 | Luz M Groff                   | 1        |
| 00206 | Total Suspended Solids            | EPA 160.2                      | 1     | 07/29/2005 07:54 | Susan E Hibner                | -<br>1   |
| 00212 | Total Dissolved Solids            | EPA 160.1                      | 1     | 07/29/2005 08:19 | Anne L Kuenzli                | 1        |
| 00219 | Nitrite Nitrogen                  | EPA 353.2                      | 1     | 07/27/2005 20:02 | Venia B McFadden              | 1        |
| 00220 | Nitrate Nitrogen                  | EPA 353.2                      | 1     | 08/03/2005 08:54 | Nicole M Kepley               | ī        |
| 00221 | Ammonia Nitrogen                  | EPA 350.2                      | 1     | 07/28/2005 17:00 | Luz M Groff                   | 1        |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1                      | 1     | 08/02/2005 10:49 | Nicole M Kepley               | 1        |
| 00228 | Sulfate                           | EPA 300.0                      | 1     | 08/01/2005 14:22 | Shannon L Phillips            | -5       |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified         | 1     | 08/04/2005 23:22 | Robert I Pusch                | 1        |
| 08238 | BTEX (EPA 602)                    | EPA 602                        | 1     | 07/28/2005 21:11 | K. Robert Caulfeild-<br>James | 1        |
| 00553 | Base Neutrals                     | EPA 625                        | 1     | 07/30/2005 19:20 | Brian K Graham                | 1        |
| 08108 | 625 Water Extraction              | EPA 625                        | 1     | 07/28/2005 16:50 | Olivia I Santiago             | 1        |
| 08263 | Total Phos as P Prep              | EPA 365.1                      | 1     | 07/29/2005 14:25 | Nancy J Shoop                 | 1        |



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Page 1 of 2

Lancaster Laboratories Sample No. WW 4571028

MW-19-5 Grab Water Sample L.E. Carpenter, NJ

Collected:07/26/2005 18:25

by in

Account Number: 09322

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:59

RMT, Inc. PO Box 8923

Discard: 09/09/2005

Madison WI 53708-8923

W19-5 SDG#: LEC48-16

|       |   |                                 |                  | As Received               |                   |            |
|-------|---|---------------------------------|------------------|---------------------------|-------------------|------------|
| CAT   |   |                                 | As Received      | Method                    |                   | Dilution   |
| No.   | Analysis Name   | CAS Number                      | Result           | Detection<br>Limit        | Units             | Factor     |
| 00307 | Heterotrophic Plate Count   | n.a.                            | 69.              | 1.                        | cfu/ml            | n.a.       |
|       | The sample was plated by Earl   | Custer on 7-27.                 | -05 by 1050      |                           |                   |            |
| 00200 | рН  | n.a.                            | 6.6              | 0.010                     | Std.              | 1          |
| •     |   |                                 |                  |                           | Units             | <b>1</b> . |
|       | The 40 CFR Part 136 requires the (within 15 minutes) upon sample the result may not be used for | e collection.                   | Because this was | immediately not possible, |                   |            |
| 00206 | Total Suspended Solids  | n.a.                            | 6.8 Ј            | 3.0                       | mg/l              | 1          |
| 00212 | Total Dissolved Solids  | n.a.                            | 463.             | 9.7                       | mg/l              | 1          |
| 00219 | Nitrite Nitrogen  | 14797- <del>6</del> 5-0         | N.D.             | 0.015                     | mg/l              | 1          |
| 00220 | Nitrate Nitrogen  | 14797-55-8                      | N.D.             | 0.040                     | mg/l              | i          |
| 00221 | Ammonia Nitrogen  | 7664-41-7                       | N.D.             | 0.11                      | mg/l              | 1          |
| 00227 | Total Phosphorus as P (water)   | 7723-14-0                       | N.D.             | 0.080                     | mg/l              | ī          |
| 00228 | Sulfate   | 14808-79-8                      | 7.7              | 1.5                       | mg/l              | 5          |
| 07105 | Volatile Headspace Hydrocarbon  |                                 |                  |                           |                   |            |
| 07106 | Methane   | 74-82-8                         | 1,700.           | 50.                       | ug/l              | 25         |
| 07107 | Ethane  | 74-84-0                         | 4.3 J            | 1.0                       | ug/l              | 1          |
| 07108 | Ethene  | 74-85-1                         | 1.1 J            | 1.0                       | ug/1              | 1          |
| 07109 | Propane   | 74-98-6                         | N.D.             | 1.0                       | ug/l              | 1          |
| 08238 | BTEX (EPA 602)  |                                 |                  |                           |                   |            |
| 05538 | Total Xylenes   | 1330-20-7                       | 13,000.          | 300.                      | ug/l              | 500        |
| 07029 | Benzene   | 71-43-2                         | N.D.             | 100.                      | ug/l              | 500        |
| 07030 | Toluene   | 108-88-3                        | 100,000.         | 100.                      | ug/l              | 500        |
| 07031 | Ethylbenzene  | 100-41-4                        | 2,600.           | 100.                      | ug/l              | 500        |
|       | Due to dilution of the sample m<br>of toluene, normal reporting li<br>attained.                 | made necessary<br>mits were not | by the high leve | 1                         | <del>-</del> 3, - | 300        |
|       |   |                                 |                  |                           |                   |            |
| 00553 | Base Neutrals   |                                 |                  |                           |                   |            |
| 00669 | bis(2-Ethylhexyl)phthalate  | 117-81-7                        | N.D.             | 0.9                       | ug/l              | 1          |



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Lancaster Laboratories Sample No. WW

MW-19-5 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 18:25

by JO

Account Number: 09322

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:59

RMT, Inc.

Discard: 09/09/2005

PO Box 8923 Madison WI 53708-8923

W19-5 SDG#: LEC48-16

|       |                                   | Laboratory             | Chro   | nicle            |                               |          |
|-------|-----------------------------------|------------------------|--------|------------------|-------------------------------|----------|
| CAT   |                                   | _                      |        | Analysis         |                               | Dilution |
| No.   | Analysis Name                     | Method                 | Trial# | Date and Time    | Analyst                       | Factor   |
| 00307 | Heterotrophic Plate Count         | Std Meth 9215B 19th ed | 1 1    | 07/29/2005 10:30 | Earl R Custer                 | n.a.     |
| 00200 | pH                                | EPA 150.1              | 1      | 07/27/2005 18:35 | Luz M Groff                   | 1        |
| 00206 | Total Suspended Solids            | EPA 160.2              | 1      | 07/29/2005 07:54 | Susan E Hibner                | 1        |
| 00212 | Total Dissolved Solids            | EPA 160.1              | 1      | 07/29/2005 08:19 | Anne L Kuenzli                | 1        |
| 00219 | Nitrite Nitrogen                  | EPA 353.2              | 1      | 07/27/2005 20:03 | Venia B McFadden              | 1        |
| 00220 | Nitrate Nitrogen                  | EPA 353.2              | 1      | 08/03/2005 08:55 | Nicole M Kepley               | 1        |
| 00221 | Ammonia Nitrogen                  | EPA 350.2              | 1      | 07/28/2005 17:00 | Luz M Groff                   | 1        |
| 00227 | Total Phosphorus as P (water)     | EPA 365.1              | 1 .    | 08/02/2005 10:50 | Nicole M Kepley               | 1        |
| 00228 | Sulfate                           | EPA 300.0              | 1      | 08/01/2005 14:36 | Shannon L Phillips            | 5        |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified | 1 1    | 08/04/2005 23:39 | Robert I Pusch                | 1        |
| 07105 | Volatile Headspace<br>Hydrocarbon | SW-846 8015B, modified | 1 1    | 08/05/2005 18:10 | Robert I Pusch                | 25       |
| 08238 | BTEX (EPA 602)                    | EPA 602                | 1      | 07/28/2005 22:21 | K. Robert Caulfeild-<br>James | 500      |
| 00553 | Base Neutrals                     | EPA 625                | 1      | 07/30/2005 20:11 | Brian K Graham                | 1        |
| 08108 | 625 Water Extraction              | EPA 625                | 1      | 07/28/2005 16:50 | Olivia I Santiago             | 1        |
| 08263 | Total Phos as P Prep (water)      | EPA 365.1              | 1      | 07/29/2005 14:25 | Nancy J Shoop                 | 1        |



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4571029

Trip Blank Water Sample L.E. Carpenter, NJ

Collected: n.a.

W19TB

Submitted: 07/27/2005 09:05 Reported: 08/09/2005 at 10:59

Discard: 09/09/2005

SDG#: LEC48-17TB\*

Account Number: 09322

RMT, Inc. PO Box 8923

Madison WI 53708-8923

| CAT<br>No. | Analysis Name  | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602) |            |                       |   |       |                    |
| 05538      | Total Xylenes  | 1330-20-7  | Ñ.D.                  | 0.6   | ug/l  | 1                  |
| 07029      | Benzene        | 71-43-2    | N.D.                  | 0.2   | ug/l  | 1                  |
| 07030      | Toluene        | 108-88-3   | N.D.                  | 0.2   | ug/l  | 1                  |
| 07031      | Ethylbenzene   | 100-41-4   | N.D.                  | 0.2   | ug/l  | 1                  |

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No. Analysis Name 08238

BTEX (EPA 602)

Method **EPA 602**  Trial# Date and Time

07/28/2005 17:38

Analyst K. Robert Caulfeild-

Dilution Factor



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### Quality Control Summary

Client Name: RMT, Inc.

Reported: 08/09/05 at 10:59 AM

Group Number: 952821

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method

### Laboratory Compliance Quality Control

| Analysis Name   | Blank<br><u>Result</u> | Blank<br><u>MDL</u> | Report<br><u>Units</u> | LCS<br><u>rec</u> | LCSD<br>%REC      | LCS/LCSD<br>Limits                   | RPD         | RPD Max        |
|---|------------------------|---------------------|------------------------|-------------------|-------------------|--------------------------------------|-------------|----------------|
| Batch number: 05208020001A<br>pH                            | Sample                 | number(s):          | 4571022-45             | 71028<br>100      |                   | 99-101                               | -           |                |
| Batch number: 05208105104A<br>Nitrite Nitrogen              | Sample<br>N.D.         | number(s):<br>0.015 | 4571022-45<br>mg/l     | 71028<br>100      |                   | 90-110                               |             |                |
| Batch number: 05209022101A<br>Ammonia Nitrogen              | Sample<br>N.D.         | number(s):          | 4571022-45<br>mg/l     | 71028<br>98       |                   | 91-100                               |             |                |
| Batch number: 05209A36A<br>Total Xylenes<br>Benzene         | N.D.                   | number(s):          | ug/l                   | 109               | 110               | 82-120                               | 1           | 30             |
| Toluene<br>Ethylbenzene                                     | N.D.<br>N.D.<br>N.D.   | 0.2<br>0.2<br>0.2   | ug/l<br>ug/l<br>ug/l   | 107<br>114<br>108 | 108<br>114<br>109 | 86-119<br>82-119<br>81-119           | 1<br>0<br>1 | 30<br>30<br>30 |
| Batch number: 05209WAC625<br>bis(2-Ethylhexyl)phthalate     | Sample<br>N.D.         | number(s):          | 4571022-45<br>ug/1     | 71028<br>93       |                   | 68-111                               |             |                |
| Batch number: 05210020601B<br>Total Suspended Solids        | Sample<br>N.D.         | number(s):          | 4571022-45<br>mg/l     | 71028<br>89       |                   | 56-128                               |             |                |
| Batch number: 05210021201A<br>Total Dissolved Solids        | Sample<br>N.D.         | number(s):          | 4571022-45<br>mg/l     | 71028<br>105      |                   | 80-120                               |             |                |
| Batch number: 05210109101A<br>Total Phosphorus as P (water) | Sample<br>N.D.         | number(s):<br>0.080 | 4571022-45<br>mg/l     | 71028<br>97       |                   | 89-110                               |             |                |
| Batch number: 05210401301A<br>Sulfate                       | Sample<br>N.D.         | number(s):          | 4571022~45<br>mg/l     | 71023<br>96       |                   | 90-110                               |             |                |
| Batch number: 05210401301B<br>Sulfate                       | Sample<br>N.D.         | number(s):          | 4571024-45             | 71028<br>96       |                   | 90-110                               |             |                |
| Batch number: 05215106101A<br>Nitrate Nitrogen              | Sample<br>N.D.         | number(s):<br>0.040 | 4571022-45<br>mg/l     | 71023<br>.98      |                   | 89-110                               |             |                |
| Batch number: 05215106101B<br>Nitrate Nitrogen              | Sample<br>N.D.         | number(s):<br>0.040 | 4571024-45°            | 71028<br>98       |                   | 89-110                               |             |                |
| Batch number: 052160032A<br>Methane                         | Sample<br>N.D.         | number(s):          |                        |                   |                   | 80-120                               |             |                |
| Ethane<br>Ethene<br>Propane                                 | N.D.<br>N.D.<br>N.D.   | 1.0<br>1.0<br>1.0   | ug/l<br>ug/l<br>ug/l   | 102<br>100<br>94  |                   | 80-120<br>80-120<br>80-120<br>80-120 |             |                |

- \*- Outside of specification
- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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### Quality Control Summary

Client Name: RMT, Inc.

Group Number: 952821

Reported: 08/09/05 at 10:59 AM

Laboratory Compliance Quality Control

| Analysis Name  | Blank<br><u>Result</u>             | Bl:                                | ank<br>L          | Repor<br>Unite                      |                           | LCS<br><u>%REC</u>          | LCSD<br>TREC | LCS/LCSD<br><u>Limits</u> | RPD R      | PD Max  |
|--|------------------------------------|------------------------------------|-------------------|-------------------------------------|---------------------------|-----------------------------|--------------|---------------------------|------------|---------|
|  | ,                                  | Samp                               | le                | Matri                               | ж Q                       | uality                      | Contr        | col                       |            |         |
| Analysis Name  | MS<br>BREC                         | MSD<br><u>%REC</u>                 |                   | MSD<br>Lits                         | RPD                       | RPD<br><u>MAX</u>           | BKG<br>Conc  | DUP<br>Conc               | DUP<br>RPD | Dup RPD |
| Batch number: 05208020001A<br>pH   | Sample                             | number                             | (s):              | 4571022                             | -457                      | 028                         | 8.1          | 8.1                       | 0          | 1       |
| Batch number: 05208105104A<br>Nitrite Nitrogen                                 | Sample<br>103                      | number                             |                   | 4571022<br>110                      | -457                      | .028                        | N.D.         | N.D.                      | 75* (1)    | 20      |
| Batch number: 05209022101A<br>Ammonia Nitrogen                                 | Sample<br>96                       | number<br>95                       |                   | 4571022<br>128                      | -4571<br>1                | .028<br>8                   | N.D.         | N.D.                      | 0 (1)      | 2       |
| Batch number: 05209A36A<br>Total Xylenes<br>Benzene<br>Toluene<br>Ethylbenzene | Sample<br>110<br>108<br>111<br>111 | number                             | 78-<br>78-<br>78- | 4571022<br>130<br>131<br>129<br>133 | -4571                     | .029                        |              |                           |            |         |
| Batch number: 05209WAC625<br>bis(2-Ethylhexyl)phthalate                        | Sample<br>94                       | number<br>92                       |                   | 4571022<br>111                      | -4571<br>2                | .028<br>30                  |              |                           |            |         |
| Batch number: 05210020601B<br>Total Suspended Solids                           | Sample                             | number                             | (s):              | 4571022                             | -4571                     | .028                        | 5,980.       | 5,920.                    | 1          | 20      |
| Batch number: 05210021201A<br>Total Dissolved Solids                           | Sample<br>105                      | number<br>103                      |                   | 4571022<br>140                      | -4571<br>1                | .028<br>5                   | 45,300.      | 46,400.                   | 2          | 5       |
| Batch number: 05210109101A<br>Total Phosphorus as P (water)                    | Sample<br>105                      | number                             |                   | 4571022<br>110                      | -457]                     | .028                        | 0.52         | 0.53                      | 0          |         |
| Batch number: 05210401301A<br>Sulfate  | Sample<br>101                      | number                             |                   | 4571022<br>110                      | -4571                     | 023                         | N.D.         | N.D.                      | 5* (1)     | 3       |
| Batch number: 05210401301B<br>Sulfate  | Sample<br>96                       | number                             |                   | 4571024<br>110                      | -4571                     | 028                         | 1,190.       | 1,180.                    | 1 (1)      | 3       |
| Batch number: 05215106101A<br>Nitrate Nitrogen                                 | Sample<br>103                      | number                             |                   | 4571022<br>110                      | -4571                     | 023                         | N.D.         | Ń.D.                      | 0 (1)      | 2       |
| Batch number: 05215106101B<br>Nitrate Nitrogen                                 | Sample<br>107                      | number                             |                   | 4571024<br>110                      | -4571                     | 028                         | 4.1          | 4.7                       | 14*        | 2       |
| Batch number: 052160032A<br>Methane<br>Ethane<br>Ethene<br>Propane             | Sample<br>87<br>96<br>100<br>90    | number (<br>83<br>100<br>102<br>92 | 63-<br>69-<br>67- | 4571022<br>120<br>118<br>125<br>127 | -4571<br>3<br>3<br>2<br>2 | 028<br>20<br>20<br>20<br>20 |              |                           |            | ,       |

<sup>\*-</sup> Outside of specification

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.

<sup>(2)</sup> The background result was more than four times the spike added.



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### Quality Control Summary

Client Name: RMT, Inc.

Reported: 08/09/05 at 10:59 AM

Group Number: 952821

### Surrogate Quality Control

Analysis Name: BTEX (EPA 602) Batch number: 05209A36A

Trifluorotoluene-P

| 4571022 | 100 |
|---------|-----|
| 4571023 | 100 |
| 4571024 | 100 |
| 4571025 | 101 |
| 4571026 | 100 |
| 4571027 | 99  |
| 4571028 | 100 |
| 4571029 | 100 |
| Blank   | 100 |
| LCS     | 101 |
| LCSD    | 100 |
| MS      | 101 |
|         |     |

Limits:

Analysis Name: Base Neutrals Batch number: 05209WAC625

|         | Nitrobenzene-d5 | 2-Fluorobiphenyl | Terphenyl-d14 |   |
|---------|-----------------|------------------|---------------|---|
| 4571022 | 82              | 84               | 77            | — |
| 4571023 | 82              | 85               | 82            |   |
| 4571024 | 85              | 83               | 81            |   |
| 4571025 | · 87            | 89               | 84            |   |
| 4571026 | 87              | 86               | 85            |   |
| 4571027 | 86              | 84               | 84            |   |
| 4571028 | 83              |                  | 85            |   |
| Blank   | 88              | 89<br>85         | 81            |   |
| LCS     | .96             | 91               | 92            |   |
| MS      | .94             | 87               | 89            |   |
| MSD     | 95              | 86               | 91            |   |
| Limits: | 48-117          | 62-111           | 45-132        |   |

Analysis Name: Volatile Headspace Hydrocarbon Batch number: 052160032A Propene

| 4571022 | 81  |
|---------|-----|
| 4571023 | 104 |
| 4571024 | 100 |
| 4571025 | 102 |
| 4571026 | 105 |
| 4571027 | 103 |
| 457102B | 101 |
| Blank   | 113 |
| LCS     | 109 |
| MS      | 93  |
| MSD     | 101 |
|         |     |

Limits:

64-126

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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### Quality Control Summary

Client Name: RMT, Inc.

Reported: 08/09/05 at 10:59 AM

Group Number: 952821

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

### Analysis Request, Environmental Services Chain of Culody



For Lancaster Laboratories use only

Group# 952821 Sample # 4571022-29 COC # 0096860

| <b>0</b>  | Ple                              | ase print. Instruc | ctions      | on reverse side corre                            | spond with c  | ircled   | numbers      | i.    |  |               | *                                     | •             |
|---|----------------------------------|--------------------|-------------|--|---------------|----------|--------------|-------|--|---------------|---------------------------------------|---------------|
| Client: RMT, Inc.   |                                  |                    |             |  | (5            |          |              |       |  | SEE HEERSEY F | or Lab Use O                          | nly           |
| Project Name/#: LE Carpenter 652  |                                  |                    |             |  | •             | //       | 7            | 7 7   | 77   | //// 5        | SC:<br>CR #:                          |               |
| Project Manager: Nick Clevett   |                                  |                    |             |  | /             | Ι,       | / <u>#</u> / | 12    | P/ / /   |               |                                       | 6             |
| Sampler: 1. Overvoorde  |                                  |                    |             | 그는 하나 아이를 잃는 그는 것 같은 모모                          | /             |          | AETA<br>A    | /F/   | / / /  | ///           |                                       |               |
|   |                                  | ·                  |             |  |               | 10       | 10/          | 2     | ///  | / / /         |                                       |               |
| Name of state where samples were collected:   | 157                              |                    | 3           |  | <b>/</b> ×/   | \8<br>8/ | /F/F         | =/ /  | / / /a   | o/ <b>/</b>   |                                       |               |
| 2   | 14.7.2                           |                    |             |  |               |          |              |       |  | Remarks       |                                       |               |
| MW-19-11  | 7/26/05                          | 1006               | X           | X  | х-            |          |              | -     | K  |               |                                       |               |
| MW-19-10  | (                                | 1228               | 7           | 1 / / /  | x             |          |              | #     | 131  |               |                                       |               |
| Mw-19-6   |                                  | 1508               | f +         | <del>                                     </del> | 2             |          |              | $\pm$ |  |               | ÷                                     | <del></del> . |
| Atm -01   |                                  | 1515               |             |  | ×             |          |              |       |  |               |                                       |               |
| Dup-01  |                                  | 13                 | $\dag \dag$ | <del>-1-1-1-1</del>                              | 2             |          |              |       |  |               | · · · · · · · · · · · · · · · · · · · |               |
| MW-19-2   | 1/26/05                          | 1620               | H           |  |               |          |              |       |  | 4             | <u> </u>                              |               |
| MW-19-5   | 1 100                            |                    |             |  | 8             |          |              |       |  | -             | · · · · · · · · · · · · · · · · · · · |               |
| this blank  |                                  | 10                 | +           | X  | <u>x</u>      |          |              |       |  | -             |                                       |               |
| THE DIANTE  | <del></del>                      |                    | -           | <del>- -/- - </del>                              | メ             |          |              |       | <del>                                     </del> |               |                                       | ·             |
|   |                                  |                    | +           |  |               |          |              | -     |  |               |                                       |               |
| Turnaround Time Requested (TAT) (please c<br>(Rush TAT is subject to Lancaster Laboratories appro<br>Date results are needed: | ircle): Norma<br>oval and surcha | l Rush<br>rge.)    |             | alinquished by:                                  | <u>Ja</u>     |          | Date         | Time  | Received   | Ā.            | Date                                  | Time (9       |
| Rush results requested by (please circle): Pt Phone #:Fax #:  |                                  |                    | Re          | elinquiched by:                                  |               |          | Date         | Time  | Received by                                      | À:            | Date                                  | Time          |
| E-mail address:   |                                  |                    | Re          | elinquished by                                   |               |          | Date         | Time  | Received by                                      | y:            | Date                                  | Time          |
| Data Package Options (please circle if required)  | ł ·                              | G Complete?        | 7_          |  |               |          |              |       |  |               | $\sum$                                |               |
| QC Summary Type VI (Raw Data) Type I (Tier I) GLP Site-specific QC  | Ye                               |                    | Re          | elinquished by:                                  |               |          | Date         | Time  | Received by                                      | <b>y:</b>     | Date                                  | Time          |
| Type I (Tier I) GLP Site-specific QC Type II (Tier II) Other (If yes, Indicate QC si  |                                  |                    |             | <del></del>                                      | $\overline{}$ |          |              |       |  | *****         |                                       | Щ             |
| Type III (NJ Red. Del.) Internal Chain of Type IV (CLP)   |                                  |                    | Re          | alinquished by:                                  |               |          | Date         | Time  | Received by                                      | Offil         |                                       | Pigne<br>0905 |



### **Explanation of Symbols and Abbreviations**

The following defines common symbols and abbreviations used in reporting technical data:

|          |                       | •        | _                                |
|----------|-----------------------|----------|----------------------------------|
| N.D.     | none detected         | BMQL     | Below Minimum Quantitation Level |
| TNTC     | Too Numerous To Count | MPN      | Most Probable Number             |
| IU       | International Units   | CP Units | cobalt-chloroplatinate units     |
| umhos/cm | micromhos/cm          | NTU      | nephelometric turbidity units    |
| С        | degrees Celsius       | F        | degrees Fahrenheit               |
| meq      | milliequivalents      | lb.      | pound(s)                         |
| g        | gram(s)               | kg       | kilogram(s)                      |
| ug       | microgram(s)          | mg       | milligram(s)                     |
| ml ·     | milliliter(s)         | Ĭ        | liter(s)                         |
| m3       | cubic meter(s)        | ul       | microliter(s)                    |
|          |                       |          |                                  |

- less than The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.
- greater than
- estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
- parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For ppm aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
- ppb parts per billion
- Dry weight Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported basis on an as-received basis.

#### U.S. EPA CLP Data Qualifiers:

#### **Organic Qualifiers**

|       | Organic Qualifiers  |   | Inorganic Qualifiers                                    |
|-------|---|---|---|
| Α     | TIC is a possible aldol-condensation product                  | В | Value is <crdl, but="" th="" ≥idl<=""></crdl,>          |
| В     | Analyte was also detected in the blank                        | E | Estimated due to interference                           |
| С     | Pesticide result confirmed by GC/MS                           | M | Duplicate injection precision not met                   |
| D     | Compound quantitated on a diluted sample                      | Ņ | Spike sample not within control limits                  |
| E     | Concentration exceeds the calibration range of the instrument | S | Method of standard additions (MSA) used for calculation |
| N     | Presumptive evidence of a compound (TICs only)                | U | Compound was not detected                               |
| P     | Concentration difference between primary and                  | W | Post digestion spike out of control limits              |
|       | confirmation columns >25%                                     | * | Duplicate analysis not within control limits            |
| U     | Compound was not detected                                     | + | Correlation coefficient for MSA < 0.995                 |
| X,Y,Z | Defined in case narrative                                     |   |   |

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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#### ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

#### **SAMPLE GROUP**

The sample group for this submittal is 952729. Samples arrived at the laboratory on Tuesday, July 26, 2005.

| Client Description       | Lancaster Labs Number |
|--------------------------|-----------------------|
| SW-R-1 Grab Water Sample | 4570627               |
| SW-R-2 Grab Water Sample | 4570628               |
| SW-R-5 Grab Water Sample | 4570629               |
| SW-R-3 Grab Water Sample | 4570630               |
| SW-R-4 Grab Water Sample | 4570631               |
| SW-D-2 Grab Water Sample | 4570632               |
| SW-D-3 Grab Water Sample | 4570633               |
| SW-D-1 Grab Water Sample | 4570634               |

#### **METHODOLOGY**

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO RMT, Inc.

1 COPY TO Data Package Group

Attn: Nicholas J. Clevett



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Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Dana M. Kauffman

Manager



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Lancaster Laboratories Sample No. WW 4570627

SW-R-1 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/25/2005 17:23

by JO

Account Number: 09322

Submitted: 07/26/2005 13:40 Reported: 07/29/2005 at 20:36

Discard: 08/29/2005

RMT, Inc. PO Box 8923

Madison WI 53708-8923

SWR-1 SDG#: LEC48-01

| CAT<br>No. | Analysis Name              | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602)             |            |                       |   |       |                    |
| 05538      | Total Xylenes              | 1330-20-7  | N.D.                  | 0.6   | ug/l  | 1                  |
| 07029      | Benzene                    | 71-43-2    | N.D.                  | 0.2   | ug/l  | 1                  |
| 07030      | Toluene                    | 108-88-3   | N.D.                  | 0.2   | ug/l  | 1                  |
| 07031      | Ethylbenzene               | 100-41-4   | N.D.                  | 0.2   | ug/l  | 1                  |
| 00553      | Base Neutrals              | •          | · .                   |   |       |                    |
| 00669      | bis(2-Ethylhexyl)phthalate | 117-81-7   | 1. J                  | 0.9   | ug/l  | 1 -                |

|       |                      | Laboratory | Chro   | nicle            |                               |               |
|-------|----------------------|------------|--------|------------------|-------------------------------|---------------|
| CAT   | •                    | _          |        | Analysis         |                               | Dilution      |
| No.   | Analysis Name        | Method     | Trial# | Date and Time    | Analyst                       | <b>Factor</b> |
| 08238 | BTEX (EPA 602)       | EPA 602    | 1      | 07/28/2005 09:33 | K. Robert Caulfeild-<br>James | 1             |
| 00553 | Base Neutrals        | EPA 625    | 1      | 07/28/2005 08:16 | Brian K Graham                | 1             |
| 08108 | 625 Water Extraction | EPA 625    | 1      | 07/27/2005 16:45 | Olivia I Santiago             | 1 .           |



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Lancaster Laboratories Sample No. WW 4570628

SW-R-2 Grab Water Sample L.E. Carpenter, NJ

Collected:07/25/2005 17:30

by JO

Account Number: 09322

Submitted: 07/26/2005 13:40

Reported: 07/29/2005 at 20:36

RMT, Inc. PO Box 8923

Discard: 08/29/2005

Madison WI 53708-8923

SWR-2 SDG#: LEC48-02

| CAT<br>No. | Analysis Name              | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602)             |            |                       | 24112                                       |       |                    |
| 05538      | Total Xylenes              | 1330-20-7  | N.D.                  | 0.6   | ug/l  | 1                  |
| 07029      | Benzene                    | 71-43-2    | N.D.                  | 0.2   | ug/l  | 1                  |
| 07030      | Tolúene                    | 108-88-3   | N.D.                  | 0.2   | ug/l  | 1                  |
| 07031      | Ethylbenzene               | 100-41-4   | N.D.                  | 0.2   | ug/l  | 1                  |
| 00553      | Base Neutrals              | •          |                       |   |       |                    |
| 00669      | bis(2-Ethylhexyl)phthalate | 117-81-7   | N.D.                  | 0.9   | ug/l  | 1                  |

| Labora | torv | Chron | icle |
|--------|------|-------|------|

|       |                      | Laboracory | CITTO  | 117.07.6         |                         |          |
|-------|----------------------|------------|--------|------------------|-------------------------|----------|
| CAT   |                      |            |        | Analysis         |                         | Dilution |
| No.   | Analysis Name        | Method     | Trial# | Date and Time    | Analyst                 | Factor   |
| 08238 | BTEX (EPA 602)       | EPA 602    | 1      | 07/28/2005 10:09 | K. Robert Caulfeild-    | 1        |
| 00553 | Base Neutrals        | EPA 625    | 1      | 07/28/2005 09:10 | James<br>Brian K Graham | 1        |
| 08108 | 625 Water Extraction | EPA 625    | 1      | 07/27/2005 16:45 | Olivia I Santiago       | 1        |



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Lancaster Laboratories Sample No. WW 4570629

SW-R-5 Grab Water Sample L.E. Carpenter, NJ

Collected:07/25/2005 15:10

by JO

Account Number: 09322

Submitted: 07/26/2005 13:40

Reported: 07/29/2005 at 20:36

RMT, Inc. PO Box 8923

Discard: 08/29/2005

Madison WI 53708-8923

SWR-5 SDG#: LEC48-03

| CAT<br>No. | Analysis Name              | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602)             |            |                       |   |       |                    |
| 05538      | Total Xylenes              | 1330-20-7  | N.D.                  | 0.6   | ug/l  | . 1                |
| 07029      | Benzene                    | 71-43-2    | N.D.                  | 0.2   | ug/1  | 1                  |
| 07030      | Toluene                    | 108-88-3   | N.D.                  | 0.2   | ug/l  | 1                  |
| 07031      | Ethylbenzene               | 100-41-4   | N.D.                  | 0.2   | ug/l  | 1                  |
| 00553      | Base Neutrals              |            |                       |   |       |                    |
| 00669      | bis(2-Ethylhexyl)phthalate | 117-81-7   | N.D.                  | 0.9   | ug/l  | 1                  |

| Laboratory  | Chronicle   |
|-------------|-------------|
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| CAT<br>No.<br>08238 | Analysis Name<br>BTEX (EPA 602)       | Method<br>EPA 602  | Trial# | Analysis Date and Time 07/28/2005 10:44 | Analyst K. Robert Caulfeild-                 | Dilution<br>Factor |
|---------------------|---------------------------------------|--------------------|--------|---|--|--------------------|
| 00553<br>08108      | Base Neutrals<br>625 Water Extraction | EPA 625<br>EPA 625 | 1      | 07/28/2005 10:05<br>07/27/2005 16:45    | James<br>Brian K Graham<br>Olivia I Santiago | 1 1                |



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Lancaster Laboratories Sample No. WW 4570630

SW-R-3 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/25/2005 17:40

by JO

Account Number: 09322

Submitted: 07/26/2005 13:40

Reported: 07/29/2005 at 20:36

RMT, Inc. PO Box 8923

Madison WI 53708-8923

Discard: 08/29/2005

SWR-3 SDG#: LEC48-04

| CAT<br>No. | Analysis Name              | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602)             |            |                       |   |       |                    |
| 05538      | Total Xylenes              | 1330-20-7  | N.D.                  | 0.6   | ug/l  | 1                  |
| 07029      | Benzene                    | 71-43-2    | N.D.                  | 0.2   | ug/l  | 1                  |
| 07030      | Toluene                    | 108-88-3   | Ŋ.D.                  | 0.2   | ug/l  | 1                  |
| 07031      | Ethylbenzene               | 100-41-4   | N.D.                  | 0.2   | ug/l  | 1                  |
| 00553      | Base Neutrals              |            |                       |   |       |                    |
| 00669      | bis(2-Ethylhexyl)phthalate | 117-81-7   | N.D.                  | 0.9   | ug/l  | 1                  |

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|------|----|-----|----|-----|---------|------|---|
| шал  |    | ıLα |    | IIV | U.D.F.C |      |   |

| CAT   |                      |         | •      | Analysis         |                               | Dilution |
|-------|----------------------|---------|--------|------------------|-------------------------------|----------|
| No.   | Analysis Name        | Method  | Trial# | Date and Time    | Analyst                       | Factor   |
| 08238 | BTEX (EPA 602)       | EPA 602 | 1      | 07/28/2005 11:19 | K. Robert Caulfeild-<br>James |          |
| 00553 | Base Neutrals        | EPA 625 | 1      | 07/28/2005 10:59 | Brian K Graham                | 1        |
| 08108 | 625 Water Extraction | EPA 625 | 1      | 07/27/2005 16:45 | Olivia I Santiago             | 1        |



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Lancaster Laboratories Sample No. WW 4570631

SW-R-4 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/25/2005 17:55

by JO

Account Number: 09322

Submitted: 07/26/2005 13:40 Reported: 07/29/2005 at 20:36

RMT, Inc. PO Box 8923

Discard: 08/29/2005

Madison WI 53708-8923

SWR-4 SDG#: LEC48-05

| CAT   |                            |            | As Received | As Received<br>Method |       | Dilution |
|-------|----------------------------|------------|-------------|-----------------------|-------|----------|
| No.   | Analysis Name              | CAS Number | Result      | Detection<br>Limit    | Units | Factor   |
| 08238 | BTEX (EPA 602)             |            |             |                       |       |          |
| 05538 | Total Xylenes              | 1330-20-7  | N.D.        | 0.6                   | ug/l  | 1        |
| 07029 | Benzene                    | 71-43-2    | N.D.        | 0.2                   | ug/l  | 1 .      |
| 07030 | Toluene                    | 108-88-3   | N.D.        | 0.2                   | ug/l  | 1        |
| 07031 | Ethylbenzene               | 100-41-4   | N.D.        | 0.2                   | ug/l  | 1        |
| 00553 | Base Neutrals              |            |             |                       |       |          |
| 00669 | bis(2-Ethylhexyl)phthalate | 117-81-7   | N.D.        | 0.9                   | ug/l  | 1        |

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| Danoratory | Chronicie |

| CAT   |                      |         | _      | Analysis         |                               | Dilution |
|-------|----------------------|---------|--------|------------------|-------------------------------|----------|
| No.   | Analysis Name        | Method  | Trial# | Date and Time    | Analyst                       | Factor   |
| 08238 | BTEX (EPA 602)       | EPA 602 | 1      | 07/28/2005 11:55 | K. Robert Caulfeild-<br>James |          |
| 00553 | Base Neutrals        | EPA 625 | 1      | 07/28/2005 11:53 | Brian K Graham                | 1        |
| 08108 | 625 Water Extraction | EPA 625 | 1      | 07/27/2005 16:45 | Olivia I Santiago             | 1        |



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Lancaster Laboratories Sample No. WW 4570632

SW-D-2 Grab Water Sample L.E. Carpenter, NJ

Collected:07/26/2005 07:20

by JO

Account Number: 09322

Submitted: 07/26/2005 13:40

Reported: 07/29/2005 at 20:36

RMT, Inc. PO Box 8923

Discard: 08/29/2005

Madison WI 53708-8923

SWD-2 SDG#: LEC48-06

| CAT<br>No. | Analysis Name              | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602)             |            |                       |   |       |                    |
| 05538      | Total Xylenes              | 1330-20-7  | 6.1                   | 0.6   | ug/l  | 1                  |
| 07029      | Benzene                    | 71-43-2    | N.D.                  | 0.2   | ug/l  | 1                  |
| 07030      | Toluene                    | 108-88-3   | N.D.                  | 0.2   | ug/l  | i                  |
| 07031      | Ethylbenzene               | 100-41-4   | 0.5 J                 | 0.2   | ug/l  | 1                  |
| 00553      | Base Neutrals              |            |                       |   |       |                    |
| 00669      | bis(2-Ethylhexyl)phthalate | 117-81-7   | 38.                   | 0.9   | ug/l  | 1                  |

| Laboratory | Chronicle |
|------------|-----------|
|            |           |

|       |                      |         | ,      |                  |                         |          |
|-------|----------------------|---------|--------|------------------|-------------------------|----------|
| CAT   |                      |         | _      | Analysis         |                         | Dilution |
| No.   | Analysis Name        | Method  | Trial# | Date and Time    | Analyst                 | Factor   |
| 08238 | BTEX (EPA 602)       | EPA 602 | . 1    | 07/28/2005 12:30 | K. Robert Caulfeild-    | 1        |
| 00553 | Base Neutrals        | EPA 625 | 1      | 07/28/2005 12:47 | James<br>Brian K Graham | 1        |
| 08108 | 625 Water Extraction | EPA 625 | 1      | 07/27/2005 16:45 | Olivia I Santiago       | 1        |



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Lancaster Laboratories Sample No. WW 4570633

SW-D-3 Grab Water Sample L.E. Carpenter, NJ

Collected: 07/26/2005 07:30

by JO

Account Number: 09322

Submitted: 07/26/2005 13:40

Reported: 07/29/2005 at 20:36

RMT, Inc. PO Box 8923

Discard: 08/29/2005

Madison WI 53708-8923

SWD-3 SDG#: LEC48-07

| CAT<br>No. | Analysis Name              | CAS Number | As Receive<br>Result | As Received<br>d Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------------------|------------|----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602)             |            | •                    |   |       |                    |
| 05538      | Total Xylenes              | 1330-20-7  | 1.1 J                | 0.6   | ug/l  | 1                  |
| 07029      | Benzene                    | 71-43-2    | N.D.                 | 0.2   | ug/1  | 1                  |
| 07030      | Toluene                    | 108-88-3   | N.D.                 | 0.2   | ug/1  | 1                  |
| 07031      | Ethylbenzene               | 100-41-4   | N.D.                 | 0.2   | ug/l  | 1                  |
| 00553      | Base Neutrals              |            |                      |   |       |                    |
| 00669      | bis(2-Ethylhexyl)phthalate | 117-81-7   | 7. J                 | . 1.  | ug/l  | 1                  |

|            |                      | Laboratory | / Chro | nicle            |                               |          |
|------------|----------------------|------------|--------|------------------|-------------------------------|----------|
| CAT<br>No. | 33                   |            |        | Analysis         |                               | Dilution |
|            | Analysis Name        | Method     | Trial# | Date and Time    | <b>Analyst</b>                | Factor   |
| 08238      | BTEX (EPA 602)       | EPA 602    | 1      | 07/28/2005 13:06 | K. Robert Caulfeild-<br>James | 1        |
| 00553      | Base Neutrals        | EPA 625    | 1      | 07/28/2005 13:42 | Brian K Graham                | 1        |
| 08108      | 625 Water Extraction | EPA 625    | 1      | 07/27/2005 16:45 | Olivia I Santiago             | ī        |



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Lancaster Laboratories Sample No. WW 4570634

SW-D-1 Grab Water Sample L.E. Carpenter, NJ

Collected:07/26/2005 07:15

by JO

Account Number: 09322

Submitted: 07/26/2005 13:40

Reported: 07/29/2005 at 20:36

SDG#: LEC48-08

RMT, Inc. PO Box 8923

Discard: 08/29/2005

Madison WI 53708-8923

| CAT<br>No. | Analysis Name              | CAS Number | As Received<br>Result | As Received<br>Method<br>Detection<br>Limit | Units | Dilution<br>Factor |
|------------|----------------------------|------------|-----------------------|---|-------|--------------------|
| 08238      | BTEX (EPA 602)             |            |                       |   |       |                    |
| 05538      | Total Xylenes              | 1330-20-7  | N.D.                  | 0.6   | ug/l  | 1                  |
| 07029      | Benzene                    | 71-43-2    | Ņ.D.                  | 0.2   | ug/l  | 1                  |
| 07030      | Toluene                    | 108-88-3   | 0.5 J                 | 0.2   | ug/l  | 1                  |
| 07031      | Ethylbenzene               | 100-41-4   | N.D.                  | 0.2   | ug/l  | 1                  |
| 00553      | Base Neutrals              |            |                       |   |       |                    |
| 00669      | bis(2-Ethylhexyl)phthalate | 117-81-7   | Ŋ.D.                  | 1.  | ug/l  | 1                  |

| P     |                      | Laboratory | / Chro | nicle            |                               |               |
|-------|----------------------|------------|--------|------------------|-------------------------------|---------------|
| CAT   |                      | _          |        | Analysis         |                               | Dilution      |
| No.   | Analysis Name        | Method     | Trial# | Date and Time    | Analyst                       | <b>Factor</b> |
| 08238 | BTEX (EPA 602)       | EPA 602    | 1      | 07/28/2005 13:41 | K. Robert Caulfeild-<br>James | 1             |
| 00553 | Base Neutrals        | EPA 625    | 1      | 07/28/2005 14:36 | Brian K Graham                | 1             |
| 08108 | 625 Water Extraction | EPA 625    | 1      | 07/27/2005 16:45 | Olivia I Santiago             | 1             |



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### Quality Control Summary

Client Name: RMT, Inc.

Group Number: 952729

Reported: 07/29/05 at 08:36 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method

### Laboratory Compliance Quality Control

| Analysis Name   | Blank<br>Result | Blank<br><u>MDL</u> | Report<br><u>Units</u> | LCS<br>%REC | lcsd<br>%rec | LCS/LCSD<br><u>Limits</u> | RPD | RPD Max |
|---|-----------------|---------------------|------------------------|-------------|--------------|---------------------------|-----|---------|
| Batch number: 05208WAB625<br>bis(2-Ethylhexyl)phthalate | Sample n        | umber(s):           | 4570627-45<br>ug/l     | 70634<br>93 | 94           | 68-111                    | 1   | :30     |
| Batch number: 05209A36A                                 | Sample n        | umber(s):           | 4570627-45             | 70634       |              |                           |     |         |
| Total Xylenes   | N.D.            | 0.6                 | ug/1                   | 109         | 110          | 82-120                    | 1   | 30      |
| Benzene   | N.D.            | 0.2                 | ug/l                   | 107         | 108          | 86-119                    | 1   | 30      |
| Toluene   | N.D.            | 0.2                 | ug/1                   | 114         | 114          | 82-119                    | ō   | 30      |
| Ethylbenzene  | N.D.            | 0.2                 | ug/1                   | 108         | 109          | 81-119                    | 1   | 30      |

#### Sample Matrix Quality Control

| Analysis Name  | MS<br>%REC                         | MSD<br>%REC | MS/MSD<br><u>Limits</u>                             | RPD     | RPD<br><u>MAX</u> | BKG<br>Conc | DUP<br><u>Conc</u> | DUP<br>RPD | Dup RPD |
|--|------------------------------------|-------------|---|---------|-------------------|-------------|--------------------|------------|---------|
| Batch number: 05209A36A<br>Total Xylenes<br>Benzene<br>Toluene<br>Ethylbenzene | Sample<br>110<br>108<br>111<br>111 | number      | (s): 457062<br>78-130<br>78-131<br>78-129<br>75-133 | 7-45706 | 34                |             |                    |            |         |

#### Surrogate Quality Control

Analysis Name: Base Neutrals Batch number: 05208WAB625

| Duccii iidii | Nitrobenzene-d5 | 2-Fluorobiphenyl | Terphenyl-d14 |  |
|--------------|-----------------|------------------|---------------|--|
| 4570627      | 86              | 90               | 77            |  |
| 4570628      | 86              | 89               | 72            |  |
| 4570629      | 87              | 88               | 74            |  |
| 4570630      | 85 .            | 89               | 77            |  |
| 4570631      | 82              | 83               | 77            |  |
| 4570632      | 91              | 90               | 76            |  |
| 4570633      | 85              | 88               | 73            |  |
| 4570634      | 83              | 88               | 75            |  |
| Blank        | 89              | 86               | 86            |  |
| LCS          | 98              | 88               | 94            |  |
| LCSD         | 96              | 95               | 98            |  |
| Limits:      | 48-117          | 62-111           | 45-132        |  |

#### \*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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#### Quality Control Summary

Client Name: RMT, Inc.

Group Number: 952729

Reported: 07/29/05 at 08:36 PM

Surrogate Quality Control

Analysis Name: BTEX (EPA 602)

Batch number: 05209A36A Trifluorotoluene-P

| 45/062/ | 100 |
|---------|-----|
| 4570628 | 100 |
| 4570629 | 101 |
| 4570630 | 99  |
| 4570631 | 100 |
| 4570632 | 97  |
| 4570633 | 100 |
| 4570634 | 101 |
| Blank   | 100 |
| 7.00    | 201 |

1570627

Limits: 69-137

\*- Outside of specification

(2) The background result was more than four times the spike added.

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.

## Analysis Request, Environmental Services Chain of Co. Jody

|     | :"                          |               |
|-----|-----------------------------|---------------|
|     | I =   -                     |               |
|     | Lancaster Lab               | MICHA         |
|     |                             |               |
| 787 | Where quality is a science  | _             |
| 101 | AN ISSE CATOMICA DI STORALO | 0 <b>6</b> 2: |

For Lancaster Laboratories use only

Groups 953739 Sample # 4510031-34 COC # 0096862

| Client: RMT Inc.   | Acct.#:                         | i            |   |  | (2) |              | (5             |             |           |                    | s. (2) (   |          |         | 3.0-4.2 | For La         | Woo O  | nly         |
|--|---------------------------------|--------------|---|--|-----|--------------|----------------|-------------|-----------|--------------------|--|----------|---------|---------|----------------|--|-------------|
| Project Name #: LECorpenter 6527.11  | D PWSID#:                       |              |   |  |     |              |                | /           | L         | / /                | /م   | 7        | 7       | 7//     | FSC:_<br>SCR#  | 120  | 562         |
| Project Manager: Nick Cleve ++   | P.O.#:                          |              | -   |  |     |              |                |             | (2)       |                    |  | /        | /.      | /. / F  | 755            |  | 6           |
| sampler: 1. Overvande  | Quote#:                         | 7,           | -   |  |     |              |                | 1           | <b>ä/</b> | luit               |  | ( )      | / /     |         |                |  |             |
| lame of state where samples were collected:  |                                 | ·            | - 45  |  |     |              |                | 19          | Tail      | 12/                |  |          |         | 11      | ¥              |  | 200         |
| Control of Control of the Control of | 77.7                            | . 3          |   | 113 (1971)<br>113 (1971)<br>113 (1971) |     | . 1          | \ <del>\</del> | (ii)        |           | 10                 | m  | /        |         | / / 🔏   | š.             | <b>3</b> 6.                                  |             |
|  |                                 |              |   |  |     | <i>] j</i>   |                | <b>?</b> /: | £%0       | 181                | Q.   | 9/       | ď,      |         |                | *  |             |
|  |                                 |              |   |  |     | Å,           | 1/4            | / 3         | ןמן:      |                    | Z  | 70       | 7       | Remarks |                | A.C.   |             |
| 5W-R4  | 7/25/05 1723                    | X            |   | X                                      | 5   | Χ            | X              |             |           |                    | 1  |          |         |         | April 1        |  |             |
| SW-R-2   | 1730                            | X            |   | X                                      | 5   | 5/           | X              |             | -         | 9                  | 1.5  |          |         |         | ry.            |  |             |
| SW-R-5   | 1510                            | X            | 1   | X                                      | 5   |              | 1              | 12          | 1         | 1                  | 3.5  |          |         |         |                | . f  | • .         |
| SW-R-3   | 1740                            | X            |   | X                                      | 5   | П            |                | :           |           |                    |  |          | ***     |         | <del></del>    |  |             |
| 5W-R-4   | 1755                            | X            |   | X                                      | 5   | V            | V              |             |           |                    |  |          |         |         |                |  | -           |
| SW-D-2   | 7/26/05 728                     | 1            |   | 7 1                                    | 1   |              | -1             |             |           |                    |  |          |         |         |                |  |             |
| - SW-D-3   | 730                             | П            |   |  | 1   |              |                |             |           |                    |  |          | 7       |         |                |  | -: <u>-</u> |
| SW-D-  | 715                             | H            |   |  | V   | 1            | 1.             |             |           |                    | K  | 3        |         | 3.4     | £.             |  |             |
| -MW-19-11  | 1006                            | H            | 1   | <b>V</b>                               | 14  | JX.          | X              | <b>X</b>    | X         | X                  | <del>                                     </del> | X        | -2      | -1307 6 | 753            | ו/ך כנו                                      | 47/2        |
|  |                                 |              |   |  |     | .دنت         |                | 1           |           |                    |  | 7        |         | V.      |                |  | <del></del> |
| urnaround Time Requested (TAT) (please circ  | de): Normal Rush                | R            | elingy  | shed                                   | 10  |              |                |             | Date      | Time               | Rei  | ebe      | d by:   |         | •              | Date   | Time        |
| tush TAT is subject to Lancaster Laboratories approvented results are needed:  | al and surcharge.)              | L            | . 4   | 2/                                     | (V) | <u> </u>     | - 3 · · ·      | į           | 7/24      | 水12                | 30   | <b>V</b> | her     | words   |                | 7250   |             |
| ush results requested by (please circle): Pho  | ne Fax E-mail                   | R            | elingul                                       | shed by                                |     | :            | ٠.             | `.          | Date      | Time               | 4  | xej0e    | d by:   | الم لم  | -              | #:." 7" - ·                                  | Time        |
| none #:Fax #:  |                                 | 0            |   | env                                    |     | o            |                | y and       | 126/      | \$\O <sub>2.</sub> |  |          | M       | Charles |                | 14/45  | 105         |
| meil address:  |                                 |              | elinqu  | sted by                                |     |              |                |             | Date      | Time               | Re   | elve     | d by:   |         | Ī              | Date   | Time        |
| ta Package Options (please circle if required)  Summary Type VI (Raw Data)   | SDG Complete                    | _            | <u>, , , , , , , , , , , , , , , , , , , </u> | 14                                     | Lo  | M            | 1 1 1 T        | ·<br>       | 140       |                    | ļ  | •/<br>   |         |         |                | <u>.                                    </u> | <u> </u>    |
| pe I (Tier I) GLP Site-specific QC re  | Yes No                          | <sup>R</sup> | elinqui                                       | syledyby                               |     | •            | •              | - 1         | Date      | Time               | Rec  | eive     | d by:   |         |                | Date   | Lime        |
| pe II (Tier II) Other (If yes, indicate QC sam   | ple and submit triplicate volum | e)  -        | نا مالم                                       | shed by                                |     | <del>\</del> | <del></del>    | .4          | D=4-      | <br>  Thurs        | Per  |          | d bair  | 0       | <del>9</del> [ | Done   |             |
|  | ustody required? Yes            |              | ounda   | orica by                               | •   | •            |                |             | Date      | Time               | Kec  | ZHV90    | 2 OY: ; | Lell    |                | Date   | Time        |

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2102 Rev. 10/27/02



### **Explanation of Symbols and Abbreviations**

Inorganic Qualifiers

The following defines common symbols and abbreviations used in reporting technical data:

| N.Ď.     | none detected         | BMQL     | Below Minimum Quantitation Level |
|----------|-----------------------|----------|----------------------------------|
| TNTC     | Too Numerous To Count | MPN      | Most Probable Number             |
| ĬU       | International Units   | CP Units | cobalt-chloroplatinate units     |
| umhos/cm | micromhos/cm          | NTU      | nephelometric turbidity units    |
| С        | degrees Celsius       | F        | degrees Fahrenheit               |
| meq      | milliequivalents      | lb.      | pound(s)                         |
| g        | gram(s)               | kg       | kilogram(s)                      |
| ug       | microgram(s)          | mg       | milligram(s)                     |
| ml ·     | milliliter(s)         | Ĭ        | liter(s)                         |
| m3       | cubic meter(s)        | ul       | microliter(s)                    |

- less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- J estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
- ppb parts per billion
- Dry weight basis

  Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

#### U.S. EPA CLP Data Qualifiers:

#### **Organic Qualifiers**

|       | <u> </u>  |   | 9   |
|-------|---|---|---|
| A.    | TIC is a possible aldol-condensation product                  | В | Value is <crdl, but="" th="" ≥idl<=""></crdl,>          |
| В     | Analyte was also detected in the blank                        | E | Estimated due to interference                           |
| C     | Pesticide result confirmed by GC/MS                           | M | Duplicate injection precision not met                   |
| D     | Compound quantitated on a diluted sample                      | N | Spike sample not within control limits                  |
| E     | Concentration exceeds the calibration range of the instrument | S | Method of standard additions (MSA) used for calculation |
| N     | Presumptive evidence of a compound (TICs only)                | U | Compound was not detected                               |
| P     | Concentration difference between primary and                  | W | Post digestion spike out of control limits              |
|       | confirmation columns >25%                                     | * | Duplicate analysis not within control limits            |
| U     | Compound was not detected                                     | + | Correlation coefficient for MSA <0.995                  |
| X,Y,Z | Defined in case narrative                                     |   |   |

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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